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THE CHEMIST AND DRUGGIST

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"CHEMICUS, CANNON, LONDON."
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**Established in
ENGLAND, 1859.]**

Published Weekly at 42 CANNON STREET,
LONDON, E.C.

**Established in
[AUSTRALASIA, 1885.]**

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NOVEMBER 28, 1914.

[Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
Winter and Summer Issues, 1s. each. Post Free.]

Extract of Malt with Cod Liver Oil

packed in amber-
tinted glass jars
—labelled.

SIZES:

$\frac{1}{2}$ lb., 1 lb.,
2 lb., 4 lb.

Orders can be
received for im-
mediate delivery.



**Allen &
Hanburys,**
Limited,
London.



Extract of Malt with Cod Liver Oil

packed in amber-
tinted glass jars
—labelled.

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$\frac{1}{2}$ lb., 1 lb.,
2 lb., 4 lb.

Orders can be
received for im-
mediate delivery.



**Allen &
Hanburys,**
Limited,
London.

In addition to the Magnificent Picture—
THE TOAST IS "BRITAIN"

We will *give free* until December 31, 1914, with

WINDOW DISPLAY ORDERS
 for
WRIGHT'S COAL TAR SOAP

Viz.:—A Window Display of 3 gross of Tablets of Wright's Coal Tar Soap for 3 weeks with a bonus of $\frac{1}{2}$ gross of Tablets, which works out thus:—

SELLING PRICE.		BUYING PRICE.	
3 Gross Tablets of Wright's Coal Tar Soap	£7 4 0	3 Gross Tablets of Wright's Coal Tar Soap	£5 18 6
$\frac{1}{2}$ Gross Tablets as a Bonus for Window Display of 3 weeks	£1 4 0	$\frac{1}{2}$ Gross Tablets Free	— — —
		Less 2½ per cent. for cash	0 3 0
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One two-pint bottle (unstamped for dispensing purposes), value 4/9, of

LIQUOR CARBONIS DETERGENS.

A well-known Skin Specialist stated before the Patent Medicines Committee in the House of Commons in October, 1912:—

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A Solution of the active principle of the posterior lobe of the Pituitary body for hypodermic use. Pituitary Liquid is indicated in surgical shock, intestinal paresis, uremic poisoning, protracted labour, and that vast array of diseases in which the Pituitary substance has been employed with marked success. Pituitary Liquid is put up in boxes of six 1-c.c. ampoules. Each ampoule represents 0.2 gram. of fresh posterior lobe substance.

Price List and Literature will be forwarded on request to

ARMOUR AND COMPANY
LIMITED  LONDON

Some of the "Vaseline" Specialities and their Prices.

Trade Mark Registered

Yellow.

PENNY TINS	7/- per gross.
TWOPENNY TINS	13/- "
No. 1 size, in boxes of 1 gross	18/6 "
" 1 " " 3 dozen	18/9 "
" 2 " " 1 "	37/- "
Collapsible tubes, No. 1 size, 2/6.	No. 2 size, 5/- doz.
No. 1 size, bottle, in cardboard case	3/- per doz.
" 2 " " " "	5/- "
$\frac{1}{2}$ -lb. tins, round	6/3 "
1 " " square	10/6 "
5 " " " " " "	30/- "
10 " " " " " "	5/- per tin.
25 " " " " " "	12/- "
50 " " " " " "	23/- "

White.

Twopenny Tins (three doz. in box)	13/6 per gross.
Collapsible tubes, No. 1 size	3/4 per doz.
" " " 2 " "	5/3 "
Blue Seal, in bottle, carton	3/6 "
No. 1, 3-oz. size, in cartons	6/- "
" 2, 6-oz. " " "	10/- "
$\frac{1}{2}$ -lb. tins, round " " "	10/- "
1 " " square " " "	17/- "
5 " " " " " "	60/- "
10 " " " " " "	9/3 per tin.
25 " " " " " "	22/- "
50 " " " " " "	41/6 "

Red or Veterinary.

$\frac{1}{2}$ -lb. tins, round	4/- per doz.
1 " " square	6/8 "
5 " " " "	22/- "
10 " " " "	3/6 per tin.
25 " " " "	7/6 "
50 " " " "	13/4 "
Half-barrels, about 1 $\frac{1}{2}$ cwt.	28/- per cwt.
Barrels, about 3 cwt.	24/6 "

Carbolated-Veterinary.

1-lb. tins	7/- per doz.
5 " " "	2/- per t n.
10 " " "	3/8 " "

Sulpho for Dogs.

In jars	9/3 per doz.
In 5-lb. tins	4/8 each.
10-lb. tins	8/- each.

White Liquid Petroleum.

No. 0 size bottle	8/3 per doz.
" 1 " "	16/6 "
" 2 " "	24/9 "

Analgin	9/- per doz. tubes.
Borated	4/6, 7/6 "
Camphorated	5/-, 7/6 "
Capsicum	5/7, 9/- "
Carbolated	4/3, 7/6 "
Mentholated	5/7, 9/- "
Oxide of Zinc	5/7, 9/- "

Collapsible tubes, including Government Stamp.

Perfumed White.

Collapsible Tubes	4/3
No. 1 (bottle in carton)	8/3 per doz.
" 2 size, handsome bottle in carton, with glass stoppers	12/6 "

Hair Tonic.

No. 1 size	8/9 per doz.
" 2 " "	17/6 "

Pomade.

No. 1 size, in boxes of 1 gross	20/- per gross.
" 1 " " 3 dozen	20/6 "
" 2 " " 1 " "	62/- "
Collapsible Tubes	2/9 per doz.
No. 1 size, bottle, in cardboard case	3/10 "
" 2 " " " " "	7/9 "
White and Quinine Pomade	8/3 "

Perfumed Oil.

One size, in bottles (for the Hair)	6/9 per doz.
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"Vaseline" Soaps.

UNSCENTED.

3d. tablets, boxes of $\frac{1}{2}$ doz. tablets,	27/- per gross tablets.
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PERFUMED.

3d. tablets, boxes of $\frac{1}{2}$ doz. tablets,	27/- per gross tablets.
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SUPERFINE.

Delicately perfumed, box of 3 tablets,	5/- per doz. tablets.
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TAR.

3d. tablets, boxes of 6 tablets	27/- per gross tablets
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CHESEBROUGH MANFG. CO. (CONSOLIDATED), NEW YORK,
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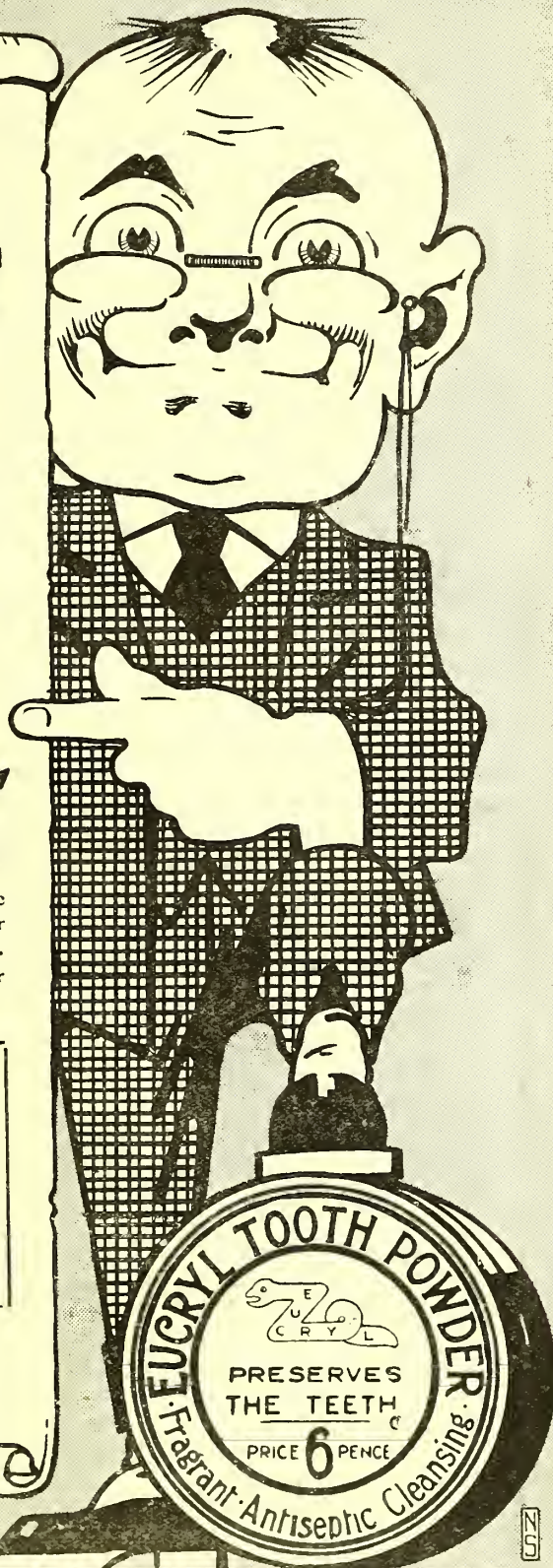
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Eucryl sells quickly because it is well-known to the public by name and reputation. Its quality is high. Its flavour is different. Customers always come back for more. And on each sale—firsts and repeats—you make 100 per cent. guaranteed profit on cost.

Accept Our SPECIAL BONUS OFFER

Send an opening order for three dozen, and we will include one dozen 6d. tins extra and free of charge. (This offer of one dozen 6d. tins free also applies to all re-pat orders of six dozen tins at 3/6 per dozen net, carriage paid). Free samples, showcards, advertising matter—Selling Helps—supplied with every order for "The Dentifrice paying 100 per cent. profit."

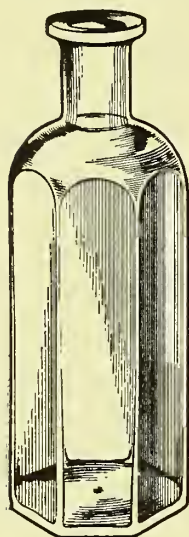
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LONDON, S.E.



THE

"IDEAL" BOTTLE

THE BEST FOR SPECIALITIES AND PREPARATIONS.



The several flat sides have the effect of brilliantly reflecting the contents, thus greatly increasing the natural brightness of the preparation. This is evident when seen in a good light, as in a shop window. A good, attractive bottle, well labelled and finished, frequently sells a preparation.

MINIMUM RETAIL PRICES, PER GROSS.

	3-oz.	1-oz.	1 1/2-oz.	2-oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	0-oz.
W.G. "Ideals" ...	5/1	5 8	6 6	7 4	8 3	9 11	12 2	14 9	17 6	19 2	24 10	30 6
Amber and Actinic "Ideals" ...	6/-	6 6	7 4	8 3	9/-	10 9	13 10	15 10	19 2	20 11	27 2	32 9
W.G. "Ideals" Stoppered ...	20 11	21 5	22 7	23 1	24 7	27 2	31 7	35 6	38 5	41 9	49 9	54 2
Amber and Actinic "Ideals" Stoppered ...	21 5	22 7	23 5	24 3	25 4	28 10	33 4	37 3	41 3	44 -	53 -	58 9

Compare these quotations with those of other bottles, especially the stoppered ones.



TEST THE "IDEAL" BOTTLE BY PLACING THE SAME LIQUID IN AN "IDEAL" AND AN ORDINARY ROUND BOTTLE OF THE SAME SIZE, AND SEE THE DIFFERENCE IN APPEARANCE.

The "Ideal" Bottle can be obtained from Messrs. MAW, SON & SONS, EVANS SONS LESCHER & WEBB, Ltd., SANGERS, MAY, ROBERTS & Co., Ltd., J. F. MACFARLAN & Co. (Edinburgh), and other leading Wholesale Houses.

MADE IN ENGLAND.

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(NON-INTOXICATING).

A great restorative—builds up and strengthens
the whole system.

No licence required for its Sale.

DANZOVIN (registered)

(Retails at 1/4 per bottle)

MEAT AND MALT WINE

(with or without Quinine)

ORANGE QUININE WINE

(B.P.)

Write for samples & quotations to

**JOSEPH HOBSON & SON,
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The original Black Beer Brewery, established a century.



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Aerated Waters Celtol Supply, Ltd.	Benzoic Acid Boehm, F., Ltd.	Capsules (various) Denoual, Jules, & Co. Evans Sons Lescher & Webb, Ltd. Stevenson, H. E., & Co., Ltd. Tye, John, & Co., Ltd. Warrick Bros. Ltd.	Chloroform Burroughs Wellcome & Co. Duncan, Flokhardt & Co. Macfarlan, J. F., & Co. May & Baker, Ltd. Smith, T. H., Ltd.	Cotton Wool Plant Tatham, Wm. Ltd.	Diamidophenol-Hydrochlor. Greiff, R. W., & Co.
Aerated Waters Celtol Supply, Ltd.	Bismuth Salts Alliance Drug & Chem. Co. Burgoyne, Burbridges & Co. Howards & Sons, Ltd. Lane-Hall, R., & Co. May & Baker, Ltd. Tyrer, T., & Co., Ltd. White, Alfred, & Sons	Capsules (various) Denoual, Jules, & Co. Evans Sons Lescher & Webb, Ltd. Stevenson, H. E., & Co., Ltd. Tye, John, & Co., Ltd. Warrick Bros. Ltd.	Citric Acid and Citrates British Drug Houses, Ltd. Burgoyne, Burbridges & Co. Howards & Sons, Ltd. Pollard, H. S., & Co. Sturge, John & E., Ltd.	Cream of Tartar Moro, Dr. Giuseppe Pollou, Henri, & Cie	Dietetic Foods Seechurn, J. C., & Co. Therapeutic Foods Co. Van Abbott, G., & Sons
Aerated Waters Celtol Supply, Ltd.	Body Belts Reitner, Arthur Maw, S., Son & Sons Schulze, F., & Co., Ltd. Wood, Vincent	Capsules (various) Denoual, Jules, & Co. Evans Sons Lescher & Webb, Ltd. Stevenson, H. E., & Co., Ltd. Tye, John, & Co., Ltd. Warrick Bros. Ltd.	Citric Acid and Citrates British Drug Houses, Ltd. Burgoyne, Burbridges & Co. Howards & Sons, Ltd. Pollard, H. S., & Co. Sturge, John & E., Ltd.	Cream of Tartar Moro, Dr. Giuseppe Pollou, Henri, & Cie	Dietetic Foods Seechurn, J. C., & Co. Therapeutic Foods Co. Van Abbott, G., & Sons
Aerated Waters Celtol Supply, Ltd.	Books, &c. Lewis, H. K. Martindale's "Extra Pharm" Squire's "Companion"	Capsules (various) Denoual, Jules, & Co. Evans Sons Lescher & Webb, Ltd. Stevenson, H. E., & Co., Ltd. Tye, John, & Co., Ltd. Warrick Bros. Ltd.	Citric Acid and Citrates British Drug Houses, Ltd. Burgoyne, Burbridges & Co. Howards & Sons, Ltd. Pollard, H. S., & Co. Sturge, John & E., Ltd.	Cream of Tartar Moro, Dr. Giuseppe Pollou, Henri, & Cie	Dietetic Foods Seechurn, J. C., & Co. Therapeutic Foods Co. Van Abbott, G., & Sons

Digestive Products

Fairchild Bros. & Foster
**Dimethylamino-
antipyrin**

Druggists' Sundries
Ayrton, Saunders & Co., Ltd.
Balas Bros. & Stevenson, Ltd.
Barnier, Arthur
Brook, Parker & Co., Ltd.
Brytstels Manfz. Co.
Burge, Warren & Ridgley, Ltd.
Burgoyne, Burdighes & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
Evansons Lescher & Webb, Ltd.
Hovenden, R., & Sons, Ltd.
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.,
Sangers
Shirley Bros., & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Swales, Thomas
Toogood, W., Ltd.
Wimbach, O.
Woolley, F., Sons & Co., Ltd.

Drugs, Crude
Burkett, Sharp & Co.
Gathergood's Exor.
Goodall, Bael house & Co.
Potter & Clarke, Ltd.
Raines & Co.

**Earthenware Jars,
&c.**
Fulham Pottery and Weyn
Filter Co., Ltd.

Eau de Cologne
Barnett's Perfumery, Ltd.
Bronner, H. & Co., Ltd.
Erasme Co., Ltd.
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers
Schutze, F., & Co., Ltd.
Yardley & Co., Ltd.

**Educational
Institutions**
Bath & West of England College
Birmingham and Midland
College
British Optical Institute
College of Preceptors
Elit's College
Liverpool School of Pharmacy
London College of Pharmacy
College of England School
Northern College of Pharmacy
School of Pharmacy
Westminster College

Effervescent Preps.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Bishop, Alfred, Ltd.
Bristol Myers Co.
British Drug Houses Ltd., The
Cupul Ltd.
Evansons Lescher & Webb, Ltd.
Guest, Thos., & Co.
Kerfoot, Thos., & Co.
Lorimer Marshall, Ltd.
Shirley Bros., Ltd.
Wright, Layman & Umney, Ltd.
Wyleys, Ltd.

Elastic Bosiery
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Goodall, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

**Electrical
Novelties**
Evansons Lescher & Webb, Ltd.
Tokalon, Ltd.
Ward & Goldstone
Wright, Archd. J., Ltd.

Emery and Cloth
Oakley, J., & Sons, Ltd.
Emetine Salts
Macfarlan, J. F., & Co.
Whiffen & Sons, Ltd.

Emulsifiers
Bennett, Sons & Shears, Ltd.
Brithroyd, F. T., Ltd.
Wilkinson, S. W., & Co.

**Emulsions, C.L.O.,
&c.**
Arnfield, J. C., & Sons, Ltd.
Ayrton, Saunders & Co., Ltd.
Balas Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, W., & Co.
Faulding, F. H., & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

**Ennared Hospi-
tal Requisites**
Orme, Evans & Co., Ltd.
Endolytic Tubes
Fletcher Fletcher & Co., Ltd.

Enemas
Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Warne, W., & Co., Ltd.

Epsom Salts
Howards & Sons, Ltd.
May & Baker, Ltd.

**Essences,
Sol. and Fruit**

Alliance Drug & Chem. Co.
Barnett & Foster
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essences Co.
Stevenson & Howell, Ltd.

Ethers
Baiss Bros. & Stevenson, Ltd.
Duncan, Flochart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

Eucalyptus Oil
Allan, A. E.
British Drug Houses, Ltd., The
Stevenson, H. E., & Co.
Tasmanian Eucalyptus Oil Co.

Evaporators
Forshaw, E., & Son, Ltd.
Extract of Herbs
Newhall & Mason
Potter & Clarke, Ltd.

**Extracts
(Medicinal)**
Allen, Stafford, & Sons, Ltd.
Arnfield, J. C., & Sons, Ltd.
Burrighs Wellcome & Co.
Evansons Lescher & Webb, Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son, Ltd.

Factory, &c., Sites
Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Samson, Henry
Schutze, F., & Co., Ltd.

Filling Machines
Forreover Machinery Co., Ltd.
Robert's Pat. Filling Mach. Co.

Flycatchers
Ford, Shapland & Co.
Ray Bros., Ltd.
Smith, John H., & Co.
Turnbridge & Wright

Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Bentley's Food, Ltd.
Brand & Co., Ltd.
British Milk Products Co., Ltd.
Fairchild Bros. & Foster
Fletcher, Fletcher & Co., Ltd.
Frank Food Co.
Harker, Stage & Morgan, Ltd.
Horlick's Malted Milk Co.
Lorimer, John
Lofthouse & Saltmer, Ltd.
Mellins Food Co., Ltd.
Natal Food Co., Ltd.
Numol, Ltd.
Plasmon, Ltd.
Ridge's Royal Food Mills
Singer's Laura's Infant Food Co.
Southall Bros. & Barclay, Ltd.
Warder, A., Ltd.
Willows, Francis, B. & T., Ltd.
Woolley, Jas., Sons & Co., Ltd.

Foot Appliances
Scholl Mfg. Co., Ltd.
Fruit Drink
McGlashan, D.

Fuller's Earth
Mumford, G. S., & Sons

Fumigators
Sanitas Co., Ltd.
Seahury & Johnson

Glycerin
Price's Patent Candle Co., Ltd.

Glycerophosphates
Reitmeier & Co.

Grease Paints
G. C. Syndie, Ltd.
Quelch, Henry C., & Co.

Grease Remover
Perkin & Co., Ltd.

Grinders, Drug, &c.
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T., Ltd.

Gripe Water
Woodward, W., Ltd.

Gums
Fink, F., & Co.
Kidston, W. M., & Co.

Hair Dyes
Harker, A. R., Stag & Morgan

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Robert
Dea-b-in Ltd.
Edwards' "Harlene" Co.
Harrison, G. W.
Osborne, Garrett & Co.
Rohare's Aureoline
Sangers
Tokalon Ltd.

**Hand Carts,
Trucks, &c.**
Crewe & Co.

Hat Cleaners
Christy, Thos., & Co.
Miner's Chemical Co.
Senior, Alfred, & Co.

Hat Dyes

Whitaker & Co.
Herbs
Potter & Clarke, Ltd.

**Hexamethylen-
tetramine**
Reitmeier & Co.

**Homoeopathic
Medicines**
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

Horse Remedies
Harvey & Co. (Dublin), Ltd.

Hot Air Douches
Ward & Goldstone

Hot Water Bottles
Kingsley Hotel
Thackray Hotel

Hot Water Bottles
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Fulham Pottery & Cheavin
Filter Co., Ltd.

Hot Water Bottles
Galen Manig, Co., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Warne, W., & Co., Ltd.
Wood, Vir cent

Hydrogen Peroxide
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

Hypophosphites
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

**Infusions,
Concentrated**
Arnfield, J. C. & Sons, Ltd.

Ink, Dichroic
Bewley & Draper, Ltd.

Ink Powder
Webster, T., & Co.

Insecticides
Christy, T., & Co.
Cook, E., & Co., Ltd.

Insect Powder
Keating, Thomas
Potter & Clarke, Ltd.
Raines & Co.

Lanoline
Burrighs Wellcome & Co.

Lard
Ewen, J., & Sons

Lavender Oil
Allen, Stafford, & Sons, Ltd.
Ransom, W., & Son, Ltd.

Lavender Water
Rush, W. J., & Co., Ltd.
Gosnell, John, & Co., Ltd.
Vinolia Co., Ltd.
Yardley & Co., Ltd.

Ligatures
Seahury & Johnson

**Lime Juice and
Cordial**
Evansons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Idris & Co., Ltd.

**Linseed, Crushed,
&c.**
Mumford, G. S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Rohinson & Sons, Ltd.
Vernon & Co., Ltd.

Liquorice Juice
Apollo
Boehm, F., Ltd.
Drogueries & Huilleries Anver-
soises, Ltd.
Evansons Lescher & Webb, Ltd.
Jackson, Ernest, & Co.
Solazzi

Lithia Salts
British Drug Houses, Ltd., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

Loofahs
Hall Forster & Co., Ltd.
Internal, Sponge Importers, Ltd.
Solport Bros.
Swales, Thomas

Lozenges
Cartwright, W. K., Ltd.
Denoual, Jules, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarke, Ltd.
Raines & Co.
Warwick Bros., Ltd.

**Machinery,
Pharmaceutical**
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Forreover Machinery Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons (Glos.), Ltd.
Griffin, John J., & Sons, Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

**Magnesia and
Preps.**
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
Jennings, Thos.
Phillips, Chas. H., Chem. Co.
Tokalon Ltd.
Washington Chemical Co., Ltd.
Wigglesworth & Co.

**Malt Extract and
Preps.**
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Burrighs Wellcome & Co.
Golder, James, & Co., Ltd.
Gorlyn, Stacey & Co., Ltd.
Cupul, Ltd.
Davies, Sons & Co.
Evansons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Snith, T. J., & Nephew, Ltd.
John Boud ("Crystal Palace")

**Measures,
Graduated**
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Rovril, Ltd.
Rand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
Whiffen & Sons, Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylated Spirit
Burrigh, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ltd.
Riddell & Smith
Thorley, Samuel, Ltd.

Milk Sugar
Hollandsche Melksuikerfabrik

Mineral Waters
Camval, Ltd.
Hevelham Natural Water Co.
Idris & Co., Ltd.
Ingram & Royle, Ltd.

Mixers and Sisters
Gardner, Wm., & Sons (Glos.), Ltd.

**Motor Carriers,
Vans, &c.**
Tilling, Thomas, Ltd.

Mustard Seed Oil
Johnson, J. H. & S.

Naphthalene
Burt, Boulton & Haywood, Ltd.

Night Lights
Price's Patent Candle Co., Ltd.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Boehm, F., Ltd.
Burge, W. J., & Co., Ltd.
Donage & Olcott Co.
Evansons Lescher & Webb, Ltd.
Lane Hall, R., & Co.
London Essence Co.
Lueders, George, & Co.
Poppelreuter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ltd.

**Oils, Mineral,
Fatty, &c.**
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Price's Patent Candle Co., Ltd.
Stern Someborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.
Boehm, F., Ltd.

Optical Goods
Parton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical
Co., Ltd.
Standard Optical Co.

Optical Tuition
British Optical Institute
College of Optics
Spectacle Makers Company

**Machinery,
Pharmaceutical**

Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Forreover Machinery Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons (Glos.), Ltd.
Griffin, John J., & Sons, Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

**Magnesia and
Preps.**
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
Jennings, Thos.
Phillips, Chas. H., Chem. Co.
Tokalon Ltd.
Washington Chemical Co., Ltd.
Wigglesworth & Co.

**Malt Extract and
Preps.**
Allen & Hanburys, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Burrighs Wellcome & Co.
Golder, James, & Co., Ltd.
Gorlyn, Stacey & Co., Ltd.
Cupul, Ltd.
Davies, Sons & Co.
Evansons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co., Ltd.
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Paine & Co., Ltd.
Pascall, James, Ltd.
Snith, T. J., & Nephew, Ltd.
John Boud ("Crystal Palace")

**Measures,
Graduated**
Bush, H. W., & Co., Ltd.

Meat Extracts
Armour & Co., Ltd.
Rovril, Ltd.
Rand & Co., Ltd.
Tooth's Extract of Meat Co.

Medical Coils
Ward & Goldstone

Mercurials
Alliance Drug & Chemical Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
Whiffen & Sons, Ltd.

Metal Clips
Griffin, John J., & Sons, Ltd.

Methylated Spirit
Burrigh, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd. [Co., Ltd.
Riddell & Smith
Thorley, Samuel, Ltd.

Milk Sugar
Hollandsche Melksuikerfabrik

Mineral Waters
Camval, Ltd.
Hevelham Natural Water Co.
Idris & Co., Ltd.
Ingram & Royle, Ltd.

Mixers and Sisters
Gardner, Wm., & Sons (Glos.), Ltd.

**Motor Carriers,
Vans, &c.**
Tilling, Thomas, Ltd.

Mustard Seed Oil
Johnson, J. H. & S.

Naphthalene
Burt, Boulton & Haywood, Ltd.

Night Lights
Price's Patent Candle Co., Ltd.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Boehm, F., Ltd.
Burge, W. J., & Co., Ltd.
Donage & Olcott Co.
Evansons Lescher & Webb, Ltd.
Lane Hall, R., & Co.
London Essence Co.
Lueders, George, & Co.
Poppelreuter W.
Ransom, W., & Son, Ltd.
Stevenson & Howell, Ltd.
Wright, Layman & Umney, Ltd.

**Oils, Mineral,
Fatty, &c.**
Allen, Stafford, & Sons, Ltd.
Boehm, F., Ltd.
Price's Patent Candle Co., Ltd.
Stern Someborn Oil Co., Ltd.

Ointments
Blackie, Robert
Burgess, E.
Oldfield, Pattinson & Co.
Boehm, F., Ltd.

Optical Goods
Parton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Optical
Co., Ltd.
Standard Optical Co.

Optical Tuition
British Optical Institute
College of Optics
Spectacle Makers Company

**Orange and
Quinine Wine**
Idris & Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

**Organo-Thera-
peutic Preps.**
Armour & Co., Ltd.
Duncan Flochart & Co.

Otto Rose (Synth.)
Bush, W. J., & Co., Ltd.
Givaudan, L.
Kerfoot Thos., & Co.
Stevenson & Howell, Ltd.
Warwick Bros., Ltd.
Wright, Layman & Umney, Ltd.

Otto Rose (French)
Gattetosse et Fils

Oxygen Baths
Wright & Co.

Packed Goods
Allen & Hanburys, Ltd.
Balas Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
Corbyn, Stacey & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupul, Ltd.
Davies, Sons & Co.
Evansons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Harker, C. R., Stag & Morgan
Lofthouse & Saltmer, Ltd.
May, Roberts & Co., Ltd.
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd.
Standard Tablet & Pill Co., Ltd.
Toogood, W., Ltd.

Palatinoids
Oppenheimer, Son & Co., Ltd.

Paper
Sutley & Silverlock, Ltd.

**Paper
Handkerchiefs**
Powell, J. T., & Co.

**Paraffinum
Liquidum**
Browning, Wm., & Co.
Field, C. W., Ltd.
Stern Someborn Oil Co., Ltd.

Pastilles
Allen & Hanburys, Ltd.
Burrighs Wellcome & Co.
Evansons Lescher & Webb, Ltd.
Guest, Thos., & Co.
Kerfoot, Thos., & Co.
Warwick Bros., Ltd.

Patent Agents
Barker, R. W.
Raworth, John E.

Peppermint Oils
Allen, Stafford, & Sons, Ltd.
Bush, W. J., & Co., Ltd.
Dunne & Olcott Co.
Ransom, W., & Son, Ltd.

Perfume Materials
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Givaudan, L.
Kerfoot, T., & Co.
Lane-Hall, R., & Co.
Lueders, George, & Co.
Naeff, M., & Co., Sucers.
Wright, Layman & Umney, Ltd.

Perfumes
Allen & Hanburys, Ltd.
Balas Bros. & Stevenson, Ltd.
British Drug Houses, Ltd., The
Brounley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasme Co., Ltd.
Evansons Lescher & Webb, Ltd.
Gosnell, John, & Co., Ltd.
Lescol Perfumery Co.
Paddy, Richard
Potter & Clarke, Ltd.
Price's Co., Ltd.
Pritchard & Constance, Ltd.
Quelch, H. C., & Co.
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd.
Vinolia Co., Ltd.
Warwick Bros., Ltd.
West, T., & Son
Yardley & Co., Ltd.

Perles
Tye, John, & Son

Pessaries (Soluble)
Burge, Warren & Ridgley, Ltd.
Rendell, W. J.

Petroleum Jelly
Cheesbrough Manfz. Co.
Kidston, W. M., & Co.
Stern Someborn Oil Co., Ltd.

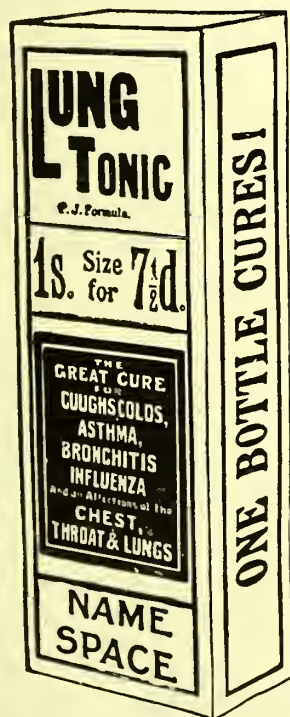
Phenacetin
Greiff, R. W., & Co.
H. fmann-La Roche Chemical
Works
Reitmeier & Co.

**Phosphorus and
Preps.**
May & Baker, Ltd.

Photo. Chemicals
Greiff, R. W., & Co.
Johnson & Sons (Manufactg.
Chemists), Ltd.
Lane-Hall, R., & Co.
Reitmeier & Co.

**Photo. Postcards,
&c.**
Rajar, Ltd.

Razors Hovenden, R., & Sons, Ltd. Kelland, W. P. Maw, S., Son & Sons Wright, Archd. J., Ltd.	Shampoo Powders Standard Tablets & Pill Co., Ltd. Shares McAdam & Tuckniss Sheep Dips Burt, Boulton & Hayward Ltd. Tomlinson & Hayward, Ltd. Shop Fittings Ayrton-Graham, Ltd. Cook, George Evans Sons Lescher & Webb, Ltd. Hymonds, A., & Co., Ltd. Farley & Co. Grant, D. Harris & Sheldon, Ltd. Josephs, Philip, & Sons, Ltd. Maw, S., Son & Sons Mills, H. Parnall & Sons Ruddock & Co. Sangers Shoulder Straps Wood, Vincent Signs, Electric. &c. Universal Sign Works Soap-making Plant Forshaw, E., & Son, Ltd. Soaps, Toilet, &c. Allen & Hanburys, Ltd. Armour & Co., Ltd. Bell (John), Hills & Lucas, Ltd. Bromley, H., & Co., Ltd. Calvert, F. C., & Co. Chesbrough Manfg. Co. Christy, Thos., & Co. Cook, E., & Co., Ltd. Eucryl, Ltd. Evans Sons Lescher & Webb, Ltd. Ewen, James, & Sons Faulding, F. H., & Co. Field, J. C. & J., Ltd. Fulford, C. E., Ltd. Gosnell, John, & Co., Ltd. Harrison, G. W. 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PREPARE FOR THE WINTER

By ordering Stock of YOUR OWN

LUNG TONIC

FREE Window Slips
FREE Showcards
FREE Delivery
FREE Packages
FREE Sample
NAME on Label
NAME on Carton

P. J. Form., therefore no stamps required. Known, admitted, and approved.

Profit over 100%, and nothing to do but hand it over the counter. Makes an effective Window Show. — Quick seller. Sure repeats. —

39/- per gr.
Double size,
70/- per gr.

Davies, Sons & Co

Manufacturing Chemists, THE BRIDGE STREET, DERBY.

Apply for Prices for

PILLS, CAPSULES, TABLETS, AND OTHER OWN NAMED PACKED LINES.



PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,
have pleasure in offering the
following Products manufactured in
FRANCE, UNITED STATES, HOLLAND
AND SWITZERLAND,
at prices which will be found
reasonable under present conditions.

Acetanilid	Lithia Carbonate
Acetyl Salicylic Acid	Lithol (Ichthyol sub.)
Benzoic Acid ex Gum	Mercurials
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Bromide of Sodium	Pepsine
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Cinchonine Muriate	Phenazone
Cinchonidine Sulphate	Pyrogallie Acid
Coumarin Crystals	Phenolphthalein
Diamidophenol Hydrochlor	Potassium Sulpho Guaiacolate
Formaldehyde	Salol
Glycerine	Sugar of Milk
Guaiacol Carbonate	Theobromine Pure Alkaloid
Heliotropin	Vanillin
Hydroquinone	Wintergreen Artificial Oil
Isarol (best Ichthyol substitute)	

R.W. Greeff & Co.,
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.



QUININE

MAARSEN

BRAND

QUININE & QUININE SALTS

Fully answering requirements
of B.P. and other Pharmacopœias.
Unexcelled in Uniformity of
Quality, Brilliant Crystallisation,
and Purity of Colour.

Sole Sales Agents:

R. W. GREEFF & CO
THAMES HOUSE,
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CINCHONA LEDGERIANA.

Liquid Barkola Compound.

This well-known preparation has now been restored to the market in a highly improved form. Extensive advertising is in progress throughout the United Kingdom. Announcements take two forms, namely: One advising Barkola with the addition of water only; and the other following the original prescription first introduced by Barkola several years ago.

Face Price, 2/3 per bottle. Wholesale, 21/- per dozen.
Most Wholesale Houses hold stock.

**THE OLD FORT CHEMICAL COMPANY, LIMITED,
27 BUCKINGHAM ROAD, LONDON, N.**

S.V.M. RANDALL & SON
Limited.
Wholesale and
Export Druggists,
SOUTHAMPTON
Best Quality Only.

THE NEXT OPPORTUNITY

for distributing Price Lists or Circulars to the trade will be the
WINTER ISSUE of **THE CHEMIST & DRUGGIST**
to be published JANUARY 30, 1915.

FOR PARTICULARS APPLY TO THE PUBLISHER, 42 CANNON STREET, LONDON, E.C.

KHAKI-
COVERED
AIR
CUSHIONS

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.

Maw's



Page.

No. 163

NOV. 28, 1914

NEW
SERIES
OF
MANICURES

MANICURE SETS WITH COLOURED FITTINGS

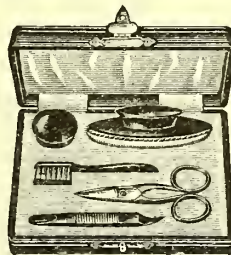
"Charming" and "artistic" appropriately describes our latest innovation. The handles of the instruments and polishers are made of non-inflammable material in the richest art shades of blue, green, and violet. Prices and details of these British made Xmas Gift lines are as follow: In boxes: (figures in brackets indicate number of pieces in set), CH 23 (5) 4/6, CH 21 (8) 7/6, 702 (6) Ruby, green, or violet fittings, 10/6, CH 22 (10) 18/- each.



CH 30
5/-
EACH.

In folding cases: CH 30 (5) 5/-, CH 31 (6) 10/-, CH 32 (7) 14/-, CH 33 (9) 16/-, CH 34 (10) 18/- each.

Elegant and seasonable lines.



CH 20, 4/6 EACH, WITH
BLUE, GREEN, VIOLET
OR SHELL FITTINGS

A CHEAP SYRINGE

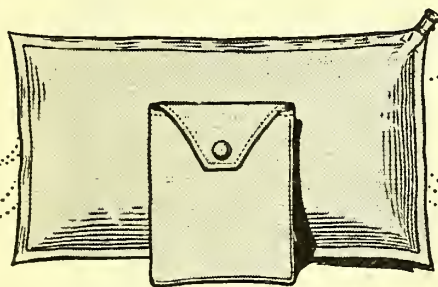
An Ear and Nose Syringe to retail at 6d. or 8d. should be an acquisition for any Pharmacy.

Our British made pattern at 4/6 per dozen is a syringe of extraordinary value.

We illustrated it **4/6 DOZEN.** in "Maw's Page" on November 7, and have been meeting orders ever since.

This Syringe is fitted with a good vulcanite nose mount. We have better qualities, of course, but this one, at the price, is a remarkable production.

MORE COMFORTS FOR THE FRONT

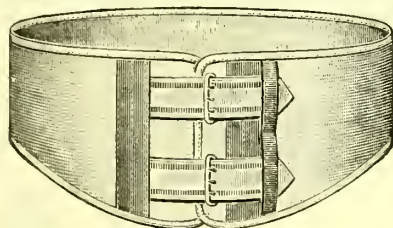


KHAKI - COVERED AIR CUSHIONS

A most useful and suitable gift line for our Soldiers. Khaki-covered rubber, each in waterproof case to match. Cushions measure 17" x 12" when inflated.

Price 48/- dozen, usual discount.

SHOWCARDS
FREE WITH
ORDERS



SALEABLE
WINTER
LINES

USEFUL BODY BELTS

The above illustration depicts our English pattern, made in felt and flannel, grey and red. Sizes 28 to 40 inches. Price from 24/- per doz.

French pattern, adaptable to any size, also stocked, in grey flannel. Price 30/- per doz.

OUR WEEKLY COMMUNIQUE

A CASE FOR ITALICS.

To emphasise any information of special interest it is usual to print it in italics. We therefore make no apology for so printing the following, received from a Monmouthshire customer:

"Gentlemen,

Please forward me per Sutton another Aldersgate Tape Machine.

The one received this morning I find excellent, am able to secure divers parcels with elegance and far greater speed than the old-fashioned method.

Yours faithfully,

"PARCELS WITHOUT STRING"

is the title of a leaflet we have just published describing in detail the many advantages enjoyed by the use of an Aldersgate Gummel Tape Machine. By the aid of this compact little time saver—it measures only 5½ x 6½ x 3½ in.—goods can be fastened expeditiously, without fear of subsequent tapering. Each machine is fitted complete with one roll of gummed tape. Price 7/6 each. We supply further rolls of 240 feet at 4/6, and 5/6, according to width. A roll will seal parcels at the rate of over

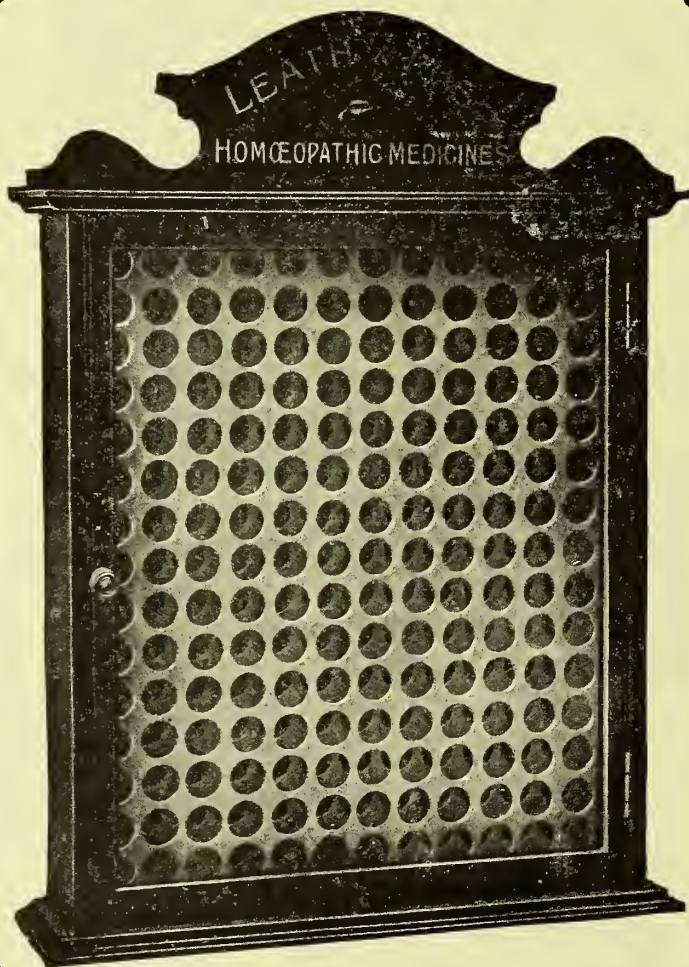
100 PACKAGES FOR 1/4.

The Aldersgate Gummel Tape Machine is not a toy, but a thoroughly well-made article, British throughout. Its use adds an "up-to-date" touch to the Pharmacy. Install one without delay. You will be as pleased as our Monmouthshire customer quoted above.

This handsome Mahogany Show-case of superior make is with an order for 2 gross of 1/- Medicines, Tinctures or Pilules, assorted as you please, at 2/3 per doz., the total outlay being only **£2 14 0**

It occupies less than half the Counter space of other Homœopathic Showcases, though it gives a much better frontal display.

FREE CASE



FREE CASE

FREE CASE

FREE CASE

DIMENSIONS:
26 inches high.
19 " wide.
6 " deep.

LEATH & ROSS,
Homœopathic Chemists,
58 DUKE STREET,
GROSVENOR SQ.,
LONDON, W.

"LYSOL" EVANS'

ALL BRITISH

As the foreign right in the word "Lysol" has now been "voided" by the Board of Trade, we offer a British-made "Lysol" to replace the foreign article. — We will co-operate with Chemists in providing Free Samples for their Medical Men.

Showcards and Literature provided

Put up in fluted Amber Ovals, wrapped, with Graduated Aluminium Measure.

	4 oz.	8 oz.	16 oz.	32 oz.	And in 1 gall. tins
Minimum Retail -	7d.	1/-	1/9	3/-	11/- each
Trade Prices - -	4/6	7/6	12/6	22/- per doz.	7/- „
NETT.					

MADE IN ENGLAND BY

EVANS SONS LESCHER & WEBB, Limited,
LONDON and LIVERPOOL.



By Royal Warrant
To H.M.
King George V.



To H.M.
Queen Alexandra.

HOLDERS OF ROYAL WARRANTS DURING THREE SUCCESSIVE REIGNS.



Jeyes' Disinfectants

**JEYES' FLUID, JEYES' POWDER,
JEYES' CYLLIN, CYLLIN MEDICAL,
CYLLIN MEDICAL CAPSULES (Palatinoids),**

JeySol

(JEYES' SOLUBLE FLUID).

A substitute for Lysol, of absolutely equal efficiency, and making a CLEAR Solution.

Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon Street, London, E.C.

THE BRITISH FLUID MICROBENE (REGISTERED)

A Superior Cleansing Antiseptic and Disinfectant for obtaining Aseptic Results in Midwifery and Surgery.

MICROBENE is not a black, sticky, coal-tar Disinfectant, composed of unrefined cresols, but an excellent saponaceous Antiseptic recognised and used by DOCTORS and NURSES. For cleaning and disinfecting medical and surgical instruments, and for the washing of hands, wounds, etc., MICROBENE IS UNRIVALLED.

REMEMBER MICROBENE IS AND ALWAYS HAS BEEN BRITISH

STOCKED BY ALL WHOLESALE HOUSES.

WHOLESALE PRICE.		RETAIL PRICE.	
4 oz. Bottles	5/- per doz.	7½d. each (P.A.T.A.)	
8 " "	8/- "	1/- "	"
16 " "	14/- "	1/9 "	"

Also in half and one gallon tins.

**Sole Manufacturers:—ROBERT YOUNG & CO., Ltd.,
38 ELLIOT STREET, GLASGOW.**

Also at 17 St. ANN'S SQUARE, MANCHESTER, and 90 CANNON STREET, LONDON, E.C.

Lysol

MADE IN ENGLAND

Statements are being made by interested and unscrupulous persons that LYSOL as now made by us is a German preparation. Chemists are warned that such statements are absolutely false and untrue, and any party or parties spreading such prejudicial reports will be proceeded against.

ALL OUR LYSOL IS ENTIRELY BRITISH MADE AND BRITISH OWNED.

ON THE P.A.T.A. PRICES UNCHANGED.

CHAS. ZIMMERMANN & Co. (Chemicals) Ltd.,
9 & 10 St. Mary-at-Hill, LONDON.

HARVEY'S GREAT REMEDIES FOR THE HORSE WITH THE ADDED REMEDIES (Protected Prices)

HARVEY'S ACONITE POWDERS,
For Chronic Cough, Broken Wind, Roaring, &c
HARVEY'S WORM AND CONDITION POWDERS.
HARVEY'S WATTS' EMBROCATION, of
Curb Bottle.
HARVEY'S WATTS' RED LOTION,
For Wounds
HARVEY'S HAIR RESTORING OINTMENT.
HARVEY'S EDOS, or Tasteless Purging
Powder.

THE ADDED REMEDIES:
HARVEY'S KOPPOS POWDER,
For Lymphangitis or Weed, and Inflammation
generally. In Tins, 5/- and 10/- each.
HARVEY'S THRUSH SPECIFIC.
In Tins, 1/9 and 3/- each.
HARVEY'S HOOF OINTMENT.
In Tins 3/- and 6/- each.
Also
HARVEY'S HAIR RESTORER (Human),
A successful modification of the Veterinary Preparation
In Pots. 2/- each

The REMEDIES may be obtained of all the leading Druggists
Sundries Houses.

HARVEY & COMPANY, LTD., DUBLIN.

"RODINE" THE MAGIC CHARMER

Mr. J. E. NICHOLSON, Chemist, Carnforth, writes:—"A customer having used your 'Rodine' Rat Poison now for some time declares it to be an excellent preparation. Rats speedily devour it and disappear as if by magic. I can thoroughly recommend it."

Mr. HANNA, M.P.S.I., Bangor, writes:—"I have no fear now in stocking your 'RODINE,' and from what my customers have told me I now have no hesitation in recommending it. They testify that 'RODINE' does not leave a rat about the place."

Write for Sole Agency
and Terms to the Maker

HARLEY, Manufacturing Chemist, PERTH, Scotland.
Export Agents:
TOZER, KEMSLEY & FISHER, Ltd., 84 Fenchurch Street, LONDON, E.C.





FRAME FOOD

IS NOW BEING
WELL ADVERTISED.

Chemists should recommend this economical Baby Food.

ON P.A.T.A. LIST.

ATTRACTIVE SHOWCARDS ON APPLICATION.

Frame Food Co., Standen Road, Southfields, London.

ENERGEN FOODS CREATE STRENGTH AND ENERGY.

ENERGEN (Regd.)

THE ONLY NATURAL BRITISH-MADE
GLUTEN BREAD & BISCUITS

PACKED IN SEALED BOXES FOR CHEMISTS' TRADE.

FROM ALL LEADING WHOLESALE HOUSES.

Sole Makers: THE THERAPEUTIC FOODS CO., 19 Bedford Chambers, Covent Garden, LONDON, W.C.

SAPONINE

(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.



NATIONAL INSURANCE CORKS.

6 & 8 oz., 1 in. long, at 4½d. per gross.
30 gross bag post free for 11/-

Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,
"Bouchon" Works,
Limehouse, London, E.

ALL BRITISH.

Order a line of the wonderful new food-beverage

PLASMON OAT-COCOA

to retail at 1/4 per lb. (4½d. per
¼ lb. tin) equal to 3 cups a 1d.

**NOTE THE LIBERAL PROFITS TO THE TRADE—3d. on each lb. tin—
¾d. on each ¼-lb. tin exclusive of our usual discounts.**

"LANCET" Report, Oct. 24, 1914.—"Plasmon Oat-Cocoa shows a careful incorporation of the constituents indicated, and when prepared according to instructions gives a very palatable and highly nutritious food. In particular it is reinforced with the tissue-building material of milk. According to our analysis it contains just upon 20 per cent. of milk protein. In addition, there is 15.60 per cent. of fat present derived chiefly from cocoa. The moisture amounted to 6.50 per cent. and the mineral matters to 4.80 per cent. In these last there was an abundance of phosphates. It is a wholesome, sustaining food."

PLASMON CHOCOLATE is supplied as an **Emergency Ration to the BRITISH TROOPS.**

PLASMON, LTD. FARRINGTON ST.,
LONDON, E.C.

Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants,
Manufacturing Chemists

HULL

Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	Protected Retail Price.	Dozen Net.
* LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " "	1/-	7/-
* " " " " bottles in cartons	1/6	10/6

* Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema 1/- 8/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

**SPECIAL TERMS ARE OFFERED FOR
WHOLE OR PART WINDOW DISPLAYS.**

Do You Sell Sister Luras Food ?



The question is often asked nowadays. The Chemist who does not stock Sister Luras Food is missing a good line.

Sister Luras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Samples and advertising matter free on application.

SISTER LURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

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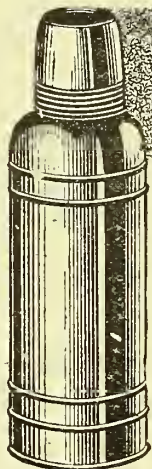
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**COUGHS and COLDS
BRONCHITIS, WHOOPING COUGH,
AND ALL CHEST & THROAT AFFECTIONS**

ESTABLISHED OVER 50 YEARS

Kindly send us your name and address so that we can include it in our List for Counter Bills. List goes to press shortly.

MANDALL & CO., LTD.
TOWER WORKS, STOCKTON-ON-TEES.



ICY-HOT

Icy-Hot Bottles Vacuum Flasks

The Three Leading Kinds Retail at 4/6 8/6 10/6 each.
Price per dozen - - - 41/- 78/- 90/-

The above Prices are for 1 pint size Bottle.

These Bottles are made in America by American Workmen.

Not Affiliated with any German Company.

The absence from the market of the cheap unreliable Flask of German Manufacture opens a large field for the ICY-HOT BOTTLES.

At this Season of the Year, no present for our Troops in the Field could possibly be more acceptable.

All Bottles equally guaranteed to

Keep Hot things Hot - 30 Hours.

Keep Cold things Cold - 3 Days.

CHEMISTS should therefore at once take a Stock of these Flasks.

They may be obtained from all the Wholesale Houses or from —

HENRY C. QUELCH & CO., 4 Ludgate Square, London, E.C.

“ FERROCARNIS ”

A pleasantly flavoured solution of iron in organic combination with
BRAND'S Concentrated Raw Meat Juice.

Ferrocarnis combines the stimulating properties of meat juice with the tonic effect of iron. This product does not cause constipation, and thus affords a means of administering iron to patients who are unable to take ordinary iron preparations.

PREPARED BY

BRAND & CO., LTD., MAYFAIR WORKS,
SOUTH LAMBETH ROAD, S.W.

SANAPHOS

NUTRIENT, RESTORATIVE and ACTIVATING

Anorganically Phosphated Milk Product
prepared under strict scientific control.

**A Reconstructive Nerve Food
MADE IN ENGLAND**

Effectively replaces the
Product of an Alien Enemy

INDICATIONS :

Mental and Physical Fatigue, and Nervous
Breakdown, Insomnia and Neurasthenia.

Fixed Retail Prices : 1/-, 1/6, 2/6, 5/- . Wholesale Prices : 8/6, 12/9, 21/-, 42/- per doz.
The above prices show a net profit to the Distributor of over THIRTY PER CENT. ON
SELLING PRICE & OVER 40% ON COST. Special Discounts for Large Quantities.

For Samples & all Particulars apply **THE BRITISH MILK PRODUCTS CO., Ltd.**

69 MARK LANE, LONDON, E.C.

THE PREMIER HOUSE

for SUNDRIES of all kinds

**WINCHESTERS,
SHOP ROUNDS,
DISPENSINGS,
CORN SOLVENTS,
POISONS,
PILLS,
ETC.**

**FEEDING BOTTLES,
FLESH GLOVES,
CHEMISTS' GLASS
& EARTHENWARE,
POMADE POTS,
ETC.**

BUSH'S
FOR ALL
DRUGGISTS'
SUNDRIES

**TRUSSES,
CORN PLASTERS,
& PACKED GOODS.**

**CATALOGUE ON
APPLICATION.
WHOLESALE &
EXPORT ONLY.**

HENRY W. BUSH & CO., LIMITED
REMBRANDT WORKS,
COMMERCIAL STREET, LONDON, E.

**BRITISH
MADE.**

NO CHANGE IN PRICES.



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PHOTOGRAPHIC PREPARATIONS.

SCALOIDS COMPRESSED
PHOTOGRAPHIC
TABLETS

AZOL THE ACTIVE DEVELOPER
for Plates, Films and Papers.

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WELL ADVERTISED AND IN UNIVERSAL DEMAND.
WHOLESALE AND RETAIL PRICES UNALTERED.

SPECIAL SHOWCARDS
SENT WITH EACH ORDER.

JOHNSON & SONS,
Manufacturing Chemists, LTD.
CROSS ST., FINSBURY, LONDON.

ABSORBENT LINTS

**BANDAGES, COTTON
WOOLS, GAUZE, &c. &c.**

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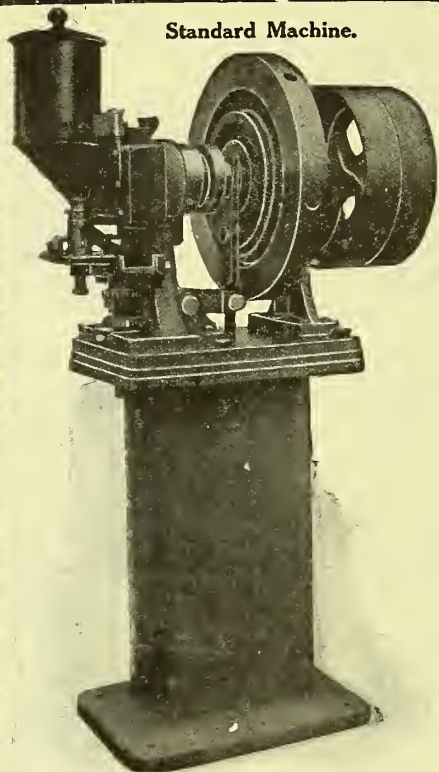
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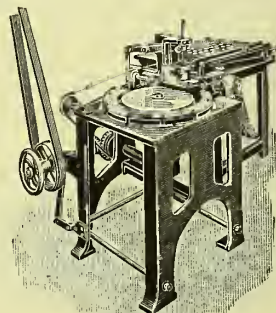
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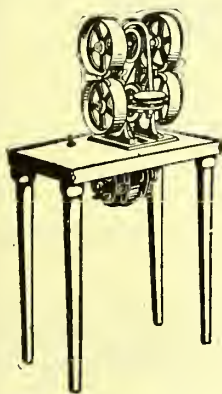
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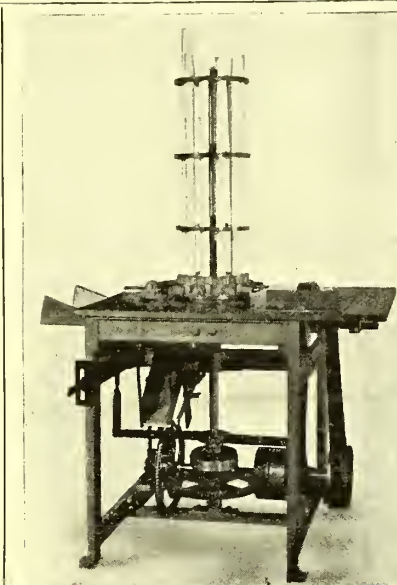
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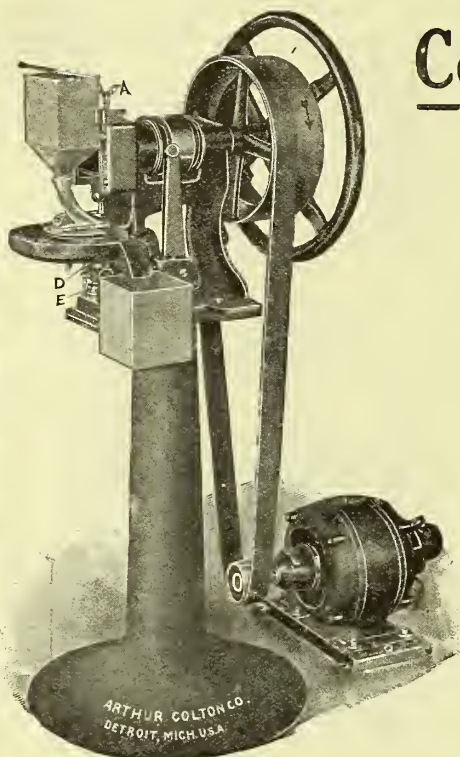
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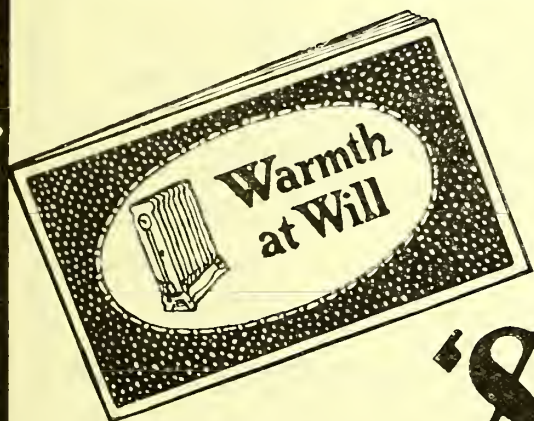
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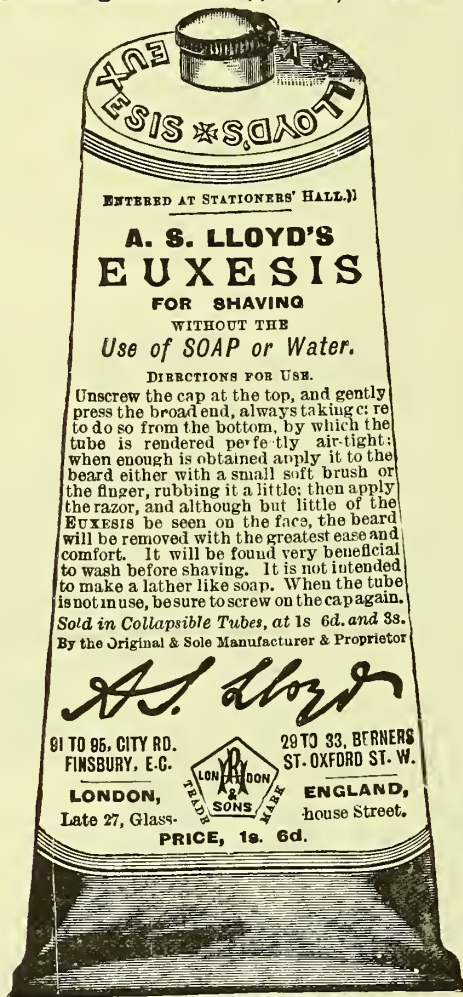
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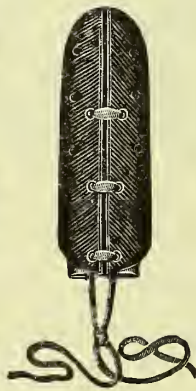
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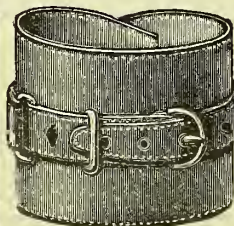
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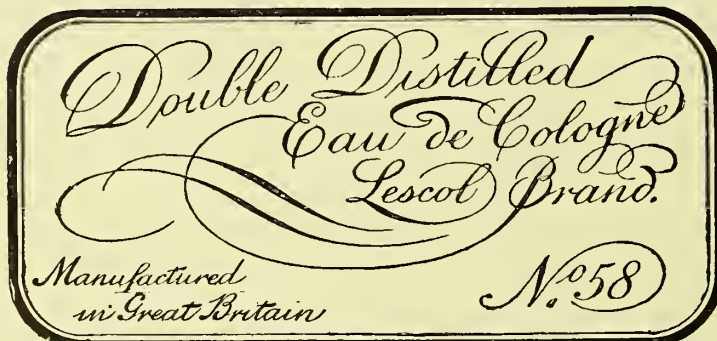
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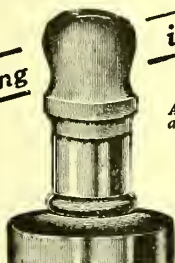
Summer Issue, 1914, pp. 106, 107.
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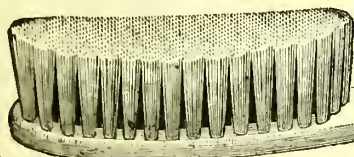
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Diamond Shape.



2525. FIG. B.

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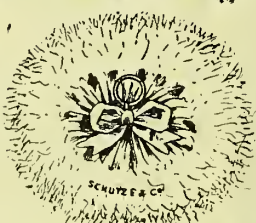
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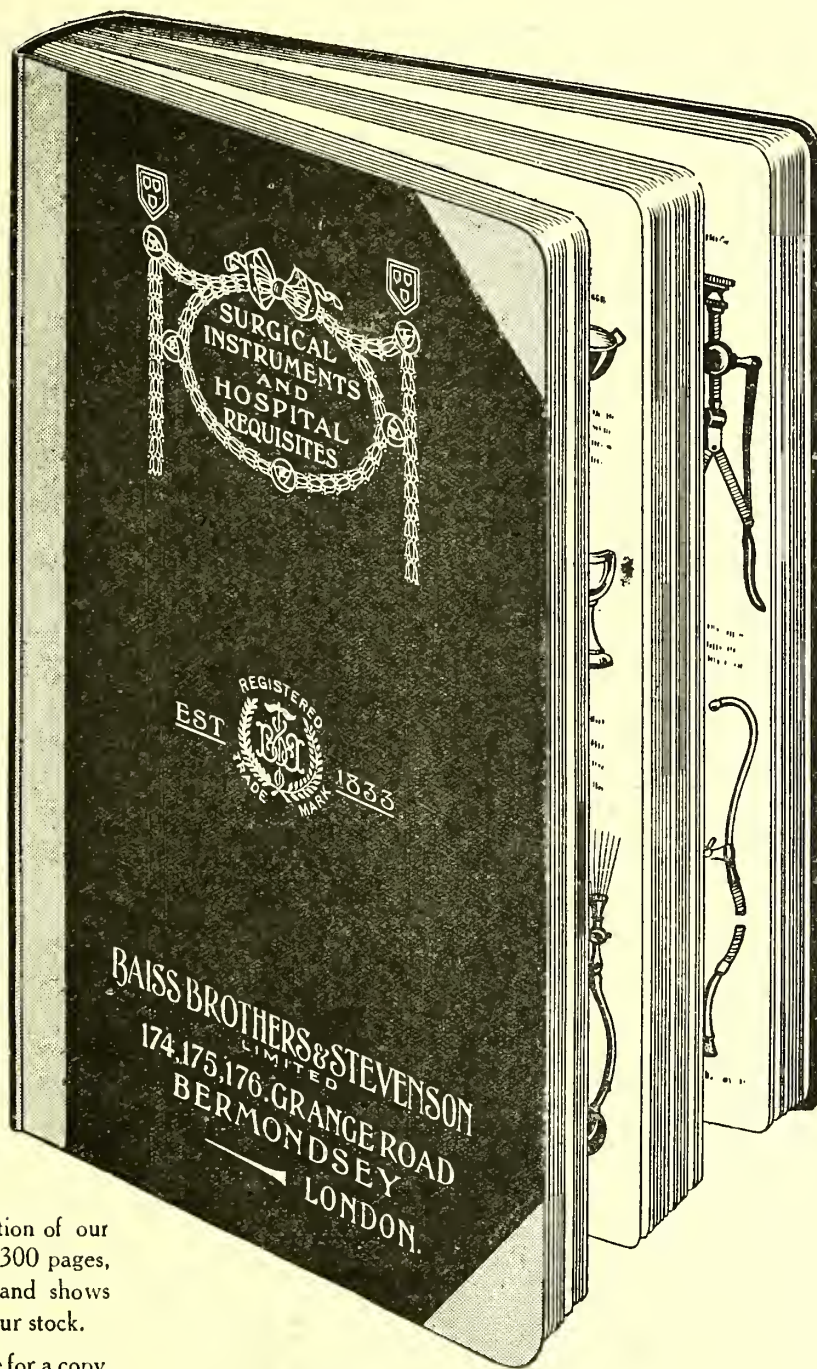
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SUMMARY.

The origin of "laudanum" as a name for the opiate is discussed by "Xrayser II." (p. 55).

A Special Court of Appeal has decided some questions about trading with the enemy (p. 51).

Interesting observations on the sweet spirit of nitre by Mr. John C. Umney are epitomised on p. 57.

Particulars of Belgian refugees in England are given on p. 47, and of the fund to aid them and doctors on p. 60.

The High Court has decided that a running syphon account is not barred in part by the Statute of Limitations (p. 51).

A Pharmacy Act prosecution as to the sale of opium fore-shadows what may happen with laudanum after December 31 (p. 51).

A Board of Trade question about the registration of "Cadbury" as a trade-mark has been settled by Mr. Justice Neville in favour of Cadbury Bros. (p. 51).

The Office Pharmaceutique which has been established in Paris is the subject of an interview between Professor Béhal, the Chief, and our Paris correspondent (p. 50).

Questions in the House of Commons about the Insurance agreements have not elicited much comfort from Dr. Addison, speaking on behalf of the Insurance Commissioners (p. 59).

In addition to a further instalment of notes on the chemical monographs in the British Pharmacopoeia, 1914 (p. 59), we comment upon and criticise the monographs on vegetable drugs (pp. 56-57).

Dr. F. B. Power has received an address from his colleagues on the Executive of the Society of Chemical Industry (p. 48). Mr. Wellcome is having a Power Gold Medal struck and a portrait painted (p. 66).

The better tone in the chemical and drug market continues. Turkish opium, morphine, and codeine have again advanced. Carbolie acid, ipecacuanha, Japanese vegetable wax, and Persian galls are also higher. Among the cheaper articles are cloves, lemon oil, and Ceylon citronella oil (p. 67).

European War.

The Effect of War upon pharmacies is graphically depicted in this issue by a Belgian pharmacist, who sends us a description of the effects of the bombardment of Antwerp upon pharmacies and pharmacists there, with pictures of a pharmacy which was ruined. In the whole history of this journal nothing so pathetic as our contributor's narrative has ever been printed in our pages, nor has such wanton destruction been illustrated so vividly. The article will touch the heart of every knight of the pestle who reads it, and will make an appeal to the generosity of all in connection with the efforts now being made here to help our Belgian *confrères*.

Trading with the Enemy.

The Trading with the Enemy Act (1914) Amendment Bill, introduced by the Attorney-General into the House of Commons last week, is designed to secure the temporary preservation, with a view to arrangements to be made at the conclusion of peace, of the money and certain other property belonging to alien enemies. This is to be effected by the appointment by the Board of Trade of a person to act as custodian of enemy property for England and Wales, for Scotland and for Ireland, respectively, for the purpose of receiving, holding, preserving, and dealing with such property as may be paid to or vested in him in pursuance of the Act. The Public Trustee is to be appointed custodian for England and Wales, but the custodians for Scotland and Ireland are not specifically indicated. The Public Trustee, in relation to all property held by him in his capacity as custodian, is to have the like status, and his accounts are to be subject to the like audit as if the same were held by him in his capacity of Public Trustee. The powers and duties of the custodians for Scotland and Ireland are to be prescribed by regulations made by the Board of Trade with the approval of the Treasury. The Bill is concerned more with financial than with commercial relations, but Clause 9 lays down the conditions upon which companies may be formed during the war. This provides that a certificate of incorporation of a company shall not be given by the Registrar of Joint Stock Companies until there has been filed with him either:

(a) A statutory declaration by a solicitor of the Supreme Court or, in Scotland, by an enrolled law agent, engaged in the formation of the company, that the company is not promoted for the purpose or with the intention of acquiring the whole or any part of the undertaking of a person, firm, or company suspected of being an enemy; or

(b) A licence from the Board of Trade authorising the acquisition by the company of such an undertaking.

Where such a statutory declaration has been filed it shall not be lawful for the company during the continuance of the present war, without the licence of the Board of Trade, to acquire the whole or any part of any such undertaking, and if it does so the company shall, without prejudice to any other liability, be liable to a fine not exceeding 100*l.*, and every director, manager, secretary, or other officer of the company who is knowingly a party to the default shall be liable to the like fine or to imprisonment with or without hard labour for a term not exceeding six months.

The conditions upon which debts due by the enemy are to be treated are fully set forth in the Bill.

Treatment of Wounds in War.

It is rather remarkable that in the midst of the greatest war of history British surgeons should be at variance in regard to the treatment of the wounded. The new school are protesting against the use of carbolic sprays and carbolic lotions, asserting that phenol is nothing more nor less than a destroyer of the tissues. On the contrary, Sir W. Watson Cheyne, Bart., F.R.C.S., maintains the necessity for following Lister's methods strictly, and he opened a discussion at the Medical Society of London last week with a very interesting and clear statement, which was published in the medical papers of November 21. In concluding it he said:

"I only advocate the use of antiseptics at the very commencement of the treatment, but at that time, in order to serve the purpose, they must be sufficiently powerful.

I am much opposed to their use in suppurating wounds. Some object to the use of these strong antiseptics on the ground that they may cause a slough. This, however, is a mistake; used as I mention, they may kill a microscopic layer, but no visible slough; but even if they did, if you have destroyed the bacteria, a slough is of no consequence; it will be absorbed like any other piece of aseptic dead tissue. Even if there were a slough, what does that matter as compared with the life of the patient? It is very trying for those of us who are parents to feel that any day we may hear of the death of our boys in battle. If they die on the field of battle, they at least die nobly in fighting for their country and for the safety of those they have left behind. Surely it makes it still harder for us to know that if they escape death on the field of battle they may still, as a result of imperfect disinfection of the wounds, die from sepsis or be maimed for life."

Tincture of iodine is the thing that the new school relies upon; it is an excellent first-aid application to fresh wounds, and ampoules of it are to be provided for all troops in action.

Workers and Government Contracts.

Corbyn, Stacey & Co., Ltd., manufacturing chemists and wholesale druggists, Brunton's Wharf, 673 Commercial Road East, London, E., who hold the Admiralty contract for the supply of drugs to the Fleet and naval hospitals, have received the following communication from Mr. Winston Churchill:

I wish to impress upon those employed by your establishment the importance of the Government work upon which they are engaged. I fully appreciate the efforts which the employees are making and the quality of the work turned out, and I trust that everything will be done to assist the Naval Authorities by pushing on all orders as rapidly as possible. I should like all engaged by your establishment to know that it is fully recognised that, in carrying out the great work of providing for the requirements of the Royal Navy, they are doing their duty for their King and Country equally with those who have joined H.M. Forces for active service afloat or ashore.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

TENTH LIST.

ADAMS, Second Lieut. J. W., 4th London (Howitzer) Brigade, R.F.A., and Lieut. A. H. Adams, M.R.C.V.S., Army Veterinary Corps, attached to the 4th London (Howitzer) Brigade, R.F.A., sons of Mr. B. Adams, chemist, Mansfield.

ANDERSON, W. (lately with Mr. E. F. W. Thorp, chemist, Moss Side, Manchester), R.A.M.C.

BARKER, G. E., youngest son of Mr. A. W. Barker, chemist, Watford, British Red Cross Base Hospital.

CLARKE, Second Lieut. W. R., Royal Field Artillery (from the 3rd Batt. University and Public Schools Brigade), and Richard Arnold Clarke, Royal Naval Volunteer Reserve (Clyde Division), Royal Naval Barracks, Chatham, sons of Mr. R. Feaver Clarke, J.P., Ph.C., Gravesend.

GREEN, John, Ph.C. (with Lewis & Burrows, Ltd., Kensington High Street, London, W., formerly with Hayes, Conyngham & Robinson, Ltd., Dublin), British Red Cross Society, "Hospital Sophie Berthelot," Calais (dispenser).

HOLMES, Arthur, chemist (lately with Mr. J. Hallaway, Ph.C., Carlisle), 4th Batt. Border Regiment (T.).

INCE, E. B. (formerly with Mr. J. Simon, chemist and druggist, Chester), Cheshire Yeomanry.

INMAN, Second Lieut. W. C., chemist, Edinburgh, Edinburgh Batt. Royal Scots (Lothian Regiment).

LAW, Corporal George (lately with Mr. John Noble, chemist, Leith), R.A.M.C. (3rd (Highland Cyclist) Batt., Black Watch).

MACEWAN, Second Lieut. H. C., A.M.I.C.E. (son of Mr. Peter MacEwan, Ph.C.), Royal Garrison Artillery.

PENNINGTON, Cecil, chemist and druggist (formerly with Mr. J. Simon, chemist and druggist, Chester), Cheshire Yeomanry.

PRESTON, J., chemist, Sheffield, Field Ambulance.

REYNOLDS, Frank (lately apprentice with Mr. A. E. Sawyer, chemist, Southwold), 6th Batt. Suffolk Regiment.

RUDDOCK, A. (lately with Mr. J. Newlyn, chemist, Torquay), 2nd Division Wessex Field Ambulance (T.).

ST. JOHN, Second Lieut. H. G. (representative of Hough, Hoseason & Co., Manchester), 14th Manchester Regiment.

SIM, G. H., chemist and druggist, of North Berwick (lately with Messrs. Burroughs Wellcome & Co., London), Kitchener's Army.

THOMAS, Robert (son of Mr. A. W. W. Thomas, chemist, Liverpool), 2nd West Lancashire Field Ambulance, R.A.M.C. (T.).

WIDGERY, Henry Turnet (assistant with his father, Mr. J. Widgery, chemist and druggist, Uxbridge Road, London, W.), 5th Batt. City of London Rifle Brigade.

Personalia.

In addition to his two sons, Mr. R. Feaver Clarke has five nephews serving with the Colours.

Mrs. J. W. Stainer is one of the Folkestone ladies who have been giving their services for nursing the wounded in the temporary hospital there. Mrs. Stainer has charge of a ward where most of the patients are Belgians. The Government now proposes to staff such hospitals with paid nurses as far as possible.

Lieut. John H. B. Wigginton, Army Service Corps, has been gazetted captain, dated September 10. As noted in our issue of September 26 (p. 61), Captain Wigginton was formerly head of the drug-department at Harrods Stores, and before going to the front accepted an appointment with Joseph Crosfield & Sons, Ltd., Warrington.

Lieut. Cecil Reginald Crymble, D.Sc., Royal Irish Fusiliers, who is reported killed in action on November 20, was a distinguished student of Queen's University, Belfast. He was a senior scholar in chemistry, and held a research scholarship. He was the students' representative on the Senate, and a prominent member of the O.T.C., from which he joined the 3rd (Special Reserve) Battalion of the Royal Irish Fusiliers, being transferred to the 1st Battalion on the outbreak of war.

News from Austria and Germany.

DR. MATTHIENEN (Berlin), editor of "Der Tropenpflanzer," has died from wounds. He received the Iron Cross a few days before his death.

PHOSPHORUS may not be sent by post even when protected by iron packages. This is the reply which the Deutscher Apotheker Verein has received from the German postal authorities.

ROSTOCK UNIVERSITY has matriculated only 150 students this winter semester; 1,000 is the normal number, but more than 600 students are on active service. During the Franco-Prussian War the summer semester of 1870 also saw a reduction to 150.

IRON CROSSES.—Pharmacists are getting their share of the extraordinary epidemic of iron crosses which is prevalent just now in Germany. The pharmaceutical papers give in each issue lists of pharmacists who have received these decorations, and notes are added as to the deed which brought about the award.

EXPORTS TO AUSTRIA.—It is announced that the exportation from Germany to Austria is permitted of acetone, ether, quinine, chloroform, peptone, iodoform, iodides, carbolic acid, salvarsan, and cellulose and moss for surgical dressings. This has resulted from a conference between representatives of the Governments concerned.

A SWISS PHARMACIST IN LONDON has sent to the journal of the Swiss Pharmaceutical Society a letter sympathising with Belgian pharmacists, and the "Pharm. Zeit.," in reprinting this, while declaring that the fate of Belgian pharmacists is really pitiable, adds that East Prussian pharmacists have also had their property destroyed by "the mad destructiveness of the Russians."

SUNLIGHT SEIFE.—The Sunlight Soap-works in Germany have been converted into a purely German concern, the shares hitherto held by residents in the United Kingdom having been transferred to the South German Discount Co. No change is to be made in the conduct of the business or in the products, and the name "Sunlight Seife" is still to be employed as a distinguishing mark.

CHEMICAL EXHIBITS.—It has been stated in the "Vossische Zeitung" that the Association of Manufacturing Chemists in the United States is organising for New York an exhibit of the chemical-products of the United States. The "Apoth. Zeitung," commenting on this, states that America will have to show that the quality is as good as that of German chemicals, which as yet cannot be demonstrated.

TECHNICAL CHEMISTS.—The "Apoth. Zeitung" issues a warning against advertisements for chemists that are appearing in German chemical papers. These are required for enemy countries, states the "Apoth. Zeitung," which are endeavouring to manufacture war materials. It is added that "Germans who accept such positions are traitors to their country, and should be most severely punished."

FÉDÉRATION INTERNATIONALE PHARMACEUTIQUE.—The Oesterreichische Pharmazeutische Gesellschaft and the Allgemeiner Oesterreichischer Apotheker Verein have withdrawn

from the *Fédération Internationale Pharmaceutique* during the war. It is proposed to found a new Federation to amalgamate German and Austrian pharmaceutical interests, and to invite the pharmaceutical societies of neutral countries to participate—a patronising suggestion which neutral countries will doubtless appreciate.

SCARCITY OF SURGICAL DRESSINGS.—A military pharmacist on active service in Flanders has reported to the "Pharm. Zeit." that shirts, towels, and the like have to be used in place of bandages and other surgical dressings. The Bavarian army took 750,000 bandages, 500,000 metres of lint, 100 cwt. of cotton-wool, and 16,000 metres of water-proof material to the front. These supplies have since been supplemented with 300,000 bandages, 200,000 metres of lint, and 140 cwt. of cotton-wool. For the reserve hospital of one corps 130,000 bandages, 130,000 metres of lint, and 140 cwt. of cotton-wool were provided.

MASTISOL WOUND-DRESSING.—The reason for prohibition of export of mastic and mastic preparations, such as mastisol, is that large quantities are now required for making wound-dressing preparations. The price has already advanced in Germany from 5s. 6d. to 15s. per kilogram. In the "Pharmaceutisch Weekblad" of 1913, p. 104, the following formula was given for an imitation of mastisol:

Mastic	...	...	...	2 grams
Benzol	...	...	...	50 grams
An unknown ether	...	...	...	20 drops

The mastisol wound-dressing was first used by Dr. von Oettingen, of Berlin, as director of a German field hospital in the Balkan war, but it is a proprietary preparation of which the secret has been kept. The "Pharm. Ztg." gives some other formulæ for it. According to one of these it is made by dissolving 20 grams of mastic in 50 grams of chloroform and adding 20 drops of linseed oil. Another formula orders colophony 15 grams and sandarac 15 grams to be dissolved in 70 grams of benzol and 5 grams of ethyl benzoate. O. Nordmann gives 20 grams of mastic, 50 grams of benzol, 20 drops of linseed oil, 10 grams of colophony, and 7 grams of Venice turpentine. E. T. van Itallie, military pharmacist at Amsterdam, communicates to the "Pharm. Weekblad" a formula which, he says, provides a preparation that has all the properties of the original mastisol, only being slightly different in colour. It consists of mastic 20 parts, colophony 20 parts, castor oil 3 parts, methyl salicylate 1 part, and benzol 56 parts. We observe since the foregoing was written that the Austrian Home Office issued, on October 23, a decree making the following formula the official substitute for mastisol:

Resina mastische in pulvere	...	200 parts
Resina colophonium	...	100 parts
Terebinthina veneta	...	70 parts
Oleum lini	...	5 parts
Oleum gaultherie	...	1 part
Benzol	...	500 parts

Chemicals from Germany.

Among the German goods mentioned by the Tariff Commission as competing with British products we note the following:

Acetic acid	Emery flour and grain	Plumbago
Acetone	Enamels	Polishes
Alcoholic preparations	Essential oils	Printers' roller-compo. and ink
Alizarine	Explosives	Prussiates
Alkaloids	Fixed oils	Quinine
Aluminum sulphite	Flesh gloves	Rape oil
Anhydrous ammonia	Gelatin	Raw chemicals
Aniline colours, oils, and salts	Gluco	Rectified spirit
Anti-corrosive and anti-fouling paints	Glycerin	Red lead
Artificial dyes	Hematin paste	Red oxide
Barytes	Kainit	Refined lubricating-oil
Benzine	Ketone	Rochelle salt
Benzole	Lead acetate	Saltpetre
Bichromates	Lime acetate	Size-powders
Blacklead	Litharge	Sodium hyposulphite
Blasting explosives	Lithopone	Strychnine
Bone glue	Loofahs	Superphosphates
Boot-polish	Lubricating greases and oils	Synthetic products
Camphor	Magenta	Tartaric acid
Caramel	Mastic	Toilet-soap
Carbolic acid	Medicines	Toluene
Charcoal	Mercurial preparations	Ultramarine
Chemists' sundries	Metal-polish	Varnish and substitutes
Chlorates	Naphthaline	Vaseline
Citric acid	Naphtha colours	Vegetable blacks, extracts, fats and oils
Cobalt	Nitroglycerin	White lead
Cocaine	Ochres	Wood alcohol
Cocount oil	Orange lead	Wood naphtha
Colours	Oxalic acid	Yellow ochre
Copra oil	Oxides	Zinc ashes
Dextrin	Palm oil	Zinc preparations
Dyes	Paranitratiline	
Eyewood extract	Perfumes	

Pharmacy in Belgium.

By "Belga."

[This article is printed substantially as it was written by the author, a distinguished pharmacist, whom we know personally. The simplicity and pathos of his narrative make an appeal to the generous and pitiful. The engravings are from photographs, except the exterior, which is from a postcard with French and German inscriptions.]

DEATH and destruction are the results of German invasion and occupation of Belgium. Also in the pharmaceutical ranks of our country the war has demanded large sacrifices. More than twenty-five chemists

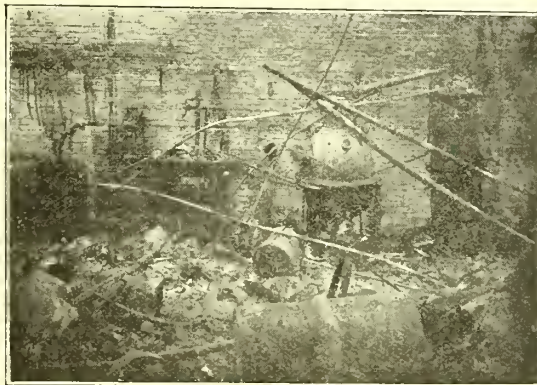


MR. BOLLANSEE'S PHARMACY, ANTWERP.

After bombardment by the Germans on October 8-9, 1914. A man with an umbrella is standing in front of the Pharmacy.

in Belgium have been executed by the German soldiers, so I was told by Mr. Alphonse Borrenuans, director of the Pharmacie Centrale de Belgique in Halle, whom I met in the Dutch town Rosendaal. Among the dead are the chemist Ranwez (not the professor of Louvain, who is still living), the chemist Fronville of Noville-Taviers, two chemists of Tamines, one in Visé, and others whose names I forget, but all mostly in the French (Walloon) part of Belgium.

Many chemists in the various bombarded and destroyed towns and villages of our unfortunate country have left



RUINS OF LABORATORY, WITH VACUUM AND OTHER PANS.

their business and are now refugees in Holland, England, and France. I saw personally many Belgian colleagues in Holland during my exile. A colleague told me that in the little town of Aerschot the Pharmacy Ingelbosch is

entirely destroyed. The four chemists' shops in the rue de la Station de Louvain also are destroyed. In Lier only one pharmacy did not become a victim of the war, but all the others, with the historic shop of Van der Wee, which contained remarkable pharmaceutical antiquities, Delft pottery, jars, bell mortars, etc., are quite destroyed by shrapnel and fire. I met the chemist Henry Cappuyens, of Lier, and he told me everything was



THE STILL-ROOM.

Mr. Bollansée is in the midst of the ruins.

burned in his *officine* in Lier. He himself was a refugee in Holland, with his family of eight children and Mrs. Cappuyens.

Mr. P. van der Mynsbrugge, of Dendermonde, who was the possessor of a remarkable collection of old pictures, wrote me after the ravage of that fine town that his whole business became the prey of flames. He himself was saved with his seven children and Mrs. Van der Mynsbrugge, flying to Moerzeke, a neighbouring village. "Only what I have in my pocket is my sole possession now," so wrote my old friend and colleague.

The other three pharmacies of Dendermonde, although not burned, were plundered by the soldiers of the Kaiser. Some days afterwards inhabitants of Schoonaerde, Wichelen, and other villages, distant two or three hours from



RUINS OF THE HOMOEOPATHIC DEPARTMENT.

Dendermonde, received from the German soldiers entire kilogram boxes of tablets (peppermint and others) with the brand of Mr. P. Spanoghe, pharmacien, Termonde.

In Halle, the city near Brussels, well known for the pilgrimages to the miraculous effigy of the Holy Virgin,

German troops went into the stores and warehouses of the Pharmacie Centrale. The commandant was warned by the director, Mr. A. Borremans, that it would be very imprudent to put soldiers in these warehouses, where enormous quantities of explosive and poisonous substances, such as spirits, collodion, pyroxylin, tinctures, ethers, chloroform, alkaloids, and others, were kept. So the occupation was avoided, and the soldiers left this part of the warehouses and lodged in a new, just completed, large hall where new machinery was to be placed.

Mr. Haazen, the President of the Nationale Pharmaceutique, whom I met with in Holland, told me of two well-known French colleagues in Belgium, Dr. de Cramer, of Lille, who was made prisoner in Maubeuge, and Mr. Honorat, of Villerupt (Mearthe-et-Moselle), who was executed by the German soldiers.

In Antwerp pharmaceutical people have suffered much from the bombardment. The Pharmacy Comein, on the Marché aux Souliers, where is a well-known collection of pharmaceutical pottery, has not been much damaged; only some window-panes were broken, and as the collection was taken for security to the cellars it has not been injured. The opposite side of the Marché aux Souliers, with all



A CORNER OF THE LABORATORY.

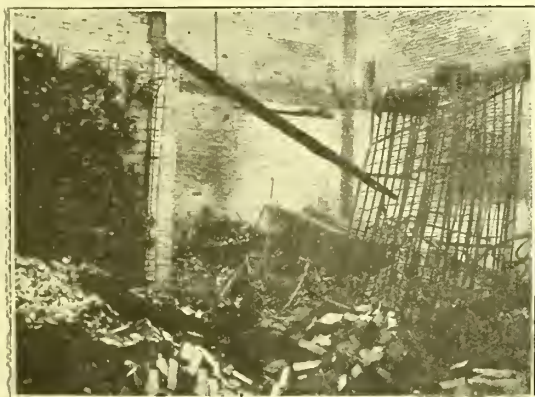
Mr. Bollansée is in the front. The motor was in this place.

its nice stores, is quite destroyed by fire-shells. We have seen Mr. Comein in Antwerp, and he seems to be very depressed by the misfortune of his neighbours, although his own business and collection have not received damage.

The pharmacy of Mr. O. Van Schoor, Vondel Street, where also is a beautiful collection of pottery, Pharmacopœias, and pharmaceutical antiquities, has not suffered. Mr. Van Schoor fled to Rosendaal on October 10, under a rain of shells and shrapnel, with his whole family. Mrs. Van Schoor and two children, the youngest just six days old, and after a journey of twenty-two hours in a car of the Antwerp agency of Whitbread & Co.'s Brewery, London, they all arrived safe and well in Rosendaal.

In the pharmacy of Mr. C. Gillis, vieux Marché aux Blés, a shrapnel fell in the verandah, kitchen, and cellar, doing damage to the habitation but nothing in the rooms appropriated to the pharmaceutical business. I myself saw the shrapnel, which is kept as a "souvenir" of the war by Mr. Gillis. Also in the house of Mr. D. Janssens, Longue rue d'Argile, the habitation was seriously damaged. The pharmacy of Mr. Bullens, rue de l'Aigle, chemical expert of the Justice Court, is entirely destroyed by shell-fire. But the most remarkable damage was caused to Mr. Jos. Bollansée, pharmaceutical chemist and manufacturer of galenic preparations, rue de l'Esplan-

ade, Antwerp. During the first night of the bombardment (October 8 and 9) Mr. Bollansée's pharmacy was reached by a fire-bomb, with the result that the entire dispensing-pharmacy, with the homœopathic department, was destroyed by fire. Mr. Bollansée, who had always feared that damage would be caused to his home during the bombardment because it was in the neighbourhood of the Justice Court Palace and St. George's Casern, hoped at the moment that the burning of his dispensing department would be his tribute in this war; but in the afternoon a second fire-bomb fell in his laboratories and warehouses, where large stocks of drugs, spirits, and galenicals were stored. The intensity of the fire was incredible, and as the waterworks of Antwerp were not working there was no means to extinguish the conflagration, which extended its ravages to various parts of the building. More than 500 kilograms opium and opium preparations, more than 150 lb. extract of hydrastis canadensis, large stocks of indigenous and exotic drugs, fluid extracts, alcoholic galenicals, wines, glycerines, liquorice-juice, and other things became the prey of fire. All the nice, up-to-date laboratory apparatus for galenical preparations, commercial, technical, and scientific books were destroyed. The whole damage is estimated to be of nearly 400,000 francs (16,000*l.*). The homœopathic department, completely new fitted and purchased from the



RUINS OF THE BOTTLE WAREHOUSE.

Leipzig firm, Wilmar Schwaabe, and containing nearly 30,000 francs' worth of medicines, was also destroyed. As a proof of energy and courage in his misfortune, some days after the destruction of his pharmacy and laboratories Mr. Bollansée opened a new business in another house in the same street. The photographic views reproduced in this number of the *C. & D.* give an idea of the state of destruction in the pharmacy of our unfortunate colleague.

As a result of the war for pharmacists in Belgium we can mention that very many medicines and articles whose stocks are consumed are no longer obtainable, while others are very scarce, such as morphine, opium, iodine, naphtha, carbolic acid, cotton-wool, surgical dressings, patent medicines from France, England, and other foreign countries. Customers and patients in pharmacies and drug-stores are as scarce, and in many pharmacies daily cash drawings of 2, 4, 6, to 10 francs are now the rule. Well-to-do people who can pay cash and who consume medicines and pharmaceutical articles are now refugees in England, Holland, France, and U.S.A. Nearly the whole pharmaceutical trade, at least in Antwerp, has become a penny-business. It is, indeed, a very worthless situation for the largest part of Belgian pharmacists. Certainly time—*tempus edax rerum*—will cure all, and perhaps generosity and humanity will in a brotherly way help those colleagues whose pharmacies are destroyed or burned, and the widows and orphans of those chemists who have given their life in this inhuman war.

Belgian Refugees.

DURING the past fortnight we have interviewed and corresponded with several other refugee Belgian pharmacists. Our Oxford friend, Mr. Renneboog, on a flying visit to London, and Mr. E. Ingebos, formerly in business in Aerschot, were among the callers, and particulars will be found in THE CHEMIST AND DRUGGIST SUPPLEMENT of others who have written to solicit our assistance in procuring employment.

Details of the unhappy experiences of Mr. Edgard Charon, pharmacist, of Ghent, have also reached us. Mr. Charon was a member of the Civic Guard at the time of the first occupation of the town by the Germans. During that period he accidentally injured his foot. A month later the enemy in a more hostile manner again took possession of the town, when Mr. Charon, accompanied by his wife and child (aged three), made their escape, following the Allied troops. The family managed to catch the last train to Eecloo, but it was eleven hours in making a journey of twenty miles. During the flight they encountered a German patrol, when Mr. Charon found it necessary to throw away his tunic and helmet. Eventually arriving at Ostend, they passed two days and nights on the pier without food. They crossed to England on a boat with some 2,000 refugees, and it was two days more before they were allowed to land at Dover owing to suspicions of spies on board. During these four days the wound on Mr. Charon's foot became aggravated, and the health of his wife and child suffered to such an extent that they were all taken to a London hospital. A few days later hospitality and accommodation were found for them at Clacton-on-Sea, where they arrived after having lost all their belongings. Practically Mr. Charon's only possession is his diploma granted six years ago by the University of Brussels, and endorsed "with distinction." Mr. Charon states that the local relief committee at Clacton has done much to make him forget all the hardships and losses. His great desire is to have some suitable occupation during the indefinite period which must of necessity elapse before he can return to reopen his pharmacy—if it still remains intact. Mr. W. Maskew, of Clacton-on-Sea, is interested, and will be glad to put any brother pharmacist in direct touch with Mr. Charon.

Mr. P. Vincart, a pharmacist and surgeon-dentist (for many years in business in Antwerp), is at present staying at New Brighton. Mr. Vincart is not in very good health, but he has special knowledge of photographic, optics, and dentistry, and he would like some light occupation.

The experiences of Mr. F. G. Isherwood, of Antwerp, are likewise thrilling, and his future, owing to its uncertainty, is by no means enviable. Mr. Isherwood—whose firm, R. Boutel & Isherwood, of rue Kipdorp, Antwerp, have been subscribers to THE CHEMIST AND DRUGGIST for many years—has written to us from The Croft, Southam, where he and his family are staying with a personal friend, Mr. W. H. Plummer, the Justices' Clerk. Mr. Isherwood left Antwerp with his family when the final bombardment by the Germans took place, and he does not know what has become of his home and business. He is forty-five years of age, and is a British subject, although born at Antwerp. He has a thorough knowledge of export business in drugs and chemicals, and, besides speaking fluently English, French, and Dutch, he has a good working knowledge of Spanish and German. He would be glad of some employment in a drug or chemical firm, and his experience and knowledge of languages should make him extremely valuable to an export house.

Mr. G. A. Yates, of Dulverton, is interested in a young Belgian confrère, Mr. Henri Minnaert, from Antwerp, and he wants to get a situation for him somewhere in the West Country, where he would be near his wife and two children, who are the guests of a Dulverton lady.

A young Belgian, Mr. E. van Roebroek, formerly an assistant with Mons. Comein, of Antwerp, is also in need of a situation, and so is Mr. A. Pirotte, at present living in Cambridge. Any offers from our readers will be promptly passed on.

As we go to press two other pharmacists from Antwerp have called on the same errand—Mr. A. Stevens and Mr. C. Danis. They have an idea that they could be particularly useful in a military hospital or public institution, but they are willing to take on any kind of work in the drug-trade.

A communication has reached us to the effect that Mr. E. Vulliemoz, pharmacien, Payerne, Switzerland, offers a salaried post to a Belgian pharmacist, with accommodation for wife and one child. He assures them of a cordial welcome and a comfortable home. (See also p. 60)

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The medicated-wine licence held by Mr. A. C. Watmough, 2 High Street, Woking, has been transferred to Mr. C. B. Phillips, late of Birmingham.

The Polyclinic, or Medical Graduates' College, founded about a dozen years ago in London, Dr. C. O. Hawthorne being one of its first and most consistent supporters, has ceased to exist.

Four cases of poisoning have been reported during the week. Three of these were due to misadventure. The poisons involved were ammonia and turpentine-liniment, chloroform, laudanum, and one unknown poison.

Blackburn Guardians have confirmed the arrangement made by the Clerk with Messrs. C. A. Critchley & Co., pharmaceutical chemists, Blackburn, to continue to supply drugs at their last contract prices, except drugs the price of which has increased owing to the war.

The report of the medical officer of health for the borough of Islington for the third quarter of 1914 states that twenty-two samples of drugs were examined under the Sale of Food and Drugs Acts during the period. With two exceptions (olive oil and Gregory's powder), all were genuine.

Mr. A. H. Hale, manager of Mrs. Gertrude Neathercoat's pharmacy, 60 Denmark Hill, Camberwell, heard the other evening a series of noises which lasted until 2.30 A.M., when they culminated in a crash of glass. He got up and called a constable, who arrested the burglar, Charles Hermann, and he has been remanded by the Magistrate.

An empty shop at 75 Queen Victoria Street, London, E.C., has been taken by the London Hygienic Chemical Co., 163 Blackfriars Road, S.E., for a "temporary display of disinfectants." The window is effectively dressed with packed "L.H.C." disinfectants in powder and in liquid, an open barrel of the slate-grey powder being the centrepiece.

The Executive Council of the Union Jack Industries League, 79 Fetter Lane, Holborn, London, E.C., announces a national All-British Christmas Shopping Campaign, commencing on December 7. Shopkeepers, local traders' associations, and manufacturers willing to assist in an organised and direct appeal to British shoppers are asked to write at once to the above address.

The Main Drainage Committee of the London County Council reports that, owing to the outbreak of war, it has been impossible to obtain the necessary quantity of lime, used in connection with the precipitation of sewage at the main drainage outfalls, from the contractors, and it has been, and will continue to be, necessary to obtain supplies from other sources. The Committee therefore recommends the Council to pass a supplemental estimate of expenditure of 1,550*l.* to cover the additional cost of chemicals during the current financial year.

Annual Report on Explosives.

The thirty-eighth annual report of his Majesty's Inspectors of Explosives has been issued this week dealing with the year 1913. The work of the inspectors has increased during the year, notwithstanding the fact that the number of inspectors has unavoidably decreased. Referring to the ever-increasing quantity of motor-spirit used in the United Kingdom, the report states:

We would again suggest to local authorities that in issuing licences it might be well to discriminate between the chemist, grocer, or oilman who desires to keep the spirit on tap, and the dealer who proposes to keep petroleum in sealed 2-gal. cans or in an underground tank for supply by pump. The first method is by far the most dangerous, and calls for more stringent regulations.

During the year five explosions caused the death of thirteen people, eighty-one other accidents not being followed by fatal results. Among the accidents was an explosion of potassium chlorate at a chemical-works at

Widnes in which five persons were killed. An explosion of oxycyanide of mercury is also recorded on the premises of "Messrs. May and Parker, Ltd.," Garden Wharf, Battersea, in which a workman's eyes were severely injured.

Chemists and the Shops Act.

Middlesbrough Town Council have made an order for chemists to close at 9 P.M. on Monday, Tuesday, Thursday, and Friday; 1 P.M. or 9 P.M. on Wednesday; and 11 P.M. or 1 P.M. on Saturday; with exemption on the weekday prior to Christmas Day or any other Bank Holiday.

At the Cardiff Chamber of Trade on November 23, the following recommendations were adopted in regard to the Shop Hours Act:

- That there should be no exempted trades or areas.
- That the latest hours of closing for all trades be 8 P.M. on all nights, except Saturday.
- That it should be compulsory on local authorities to issue closing orders.
- That where two or more trades are carried on in one shop, the closing hour for that shop shall be fixed by taking the earliest hour of either of the orders in force for the respective trades carried on in such shop.

Mr. Albert Larking, Secretary of the Early Closing Association, writing to a contemporary, says that chemists are exempt from the provisions of the Shops Act. Mr. Larking is not quite accurate. It is certain of the goods which chemists sell (medicines and medical and surgical appliances) that exempt their shops from being closed except for the sale of these goods. Mr. Larking adds that "there is not a body of men on the face of the earth who work longer hours than chemists, and the half-holiday has been a perfect godsend to them."

Honouring Dr. Power.

It is the custom of the Council of the Society of Chemical Industry to dine together in the Hôtel d'Italie after the Council-meetings, and on Monday, November 23, the President (Professor G. G. Henderson, M.A., Ph.D.) and members invited Dr. F. B. Power to be with them as a former member of the Council and a member of the Publication Committee, this being the last possible occasion that he could be present before his departure to the United States next month. In the course of the evening Professor Henderson presented Dr. Power with a handsome portfolio, made by Waterlow (who have carried out excellently Mr. Thomas Tyrer's design) in dark crimson Russia leather, lined with watered silk and nicely tooled in gold, with the monograms of the Society and of Dr. Power on the cover, and inside the following epistle and signatures on vellum:

Society of Chemical Industry.

To Dr. F. B. Power, Director of "The Wellcome Research Laboratories," London.

DEAR DR. POWER,—As old members of the Council and the Publication Committee of the Society of Chemical Industry, we cannot allow you to return to America without an expression of our regard and esteem.

It has at all times been a pleasure to work with you, and whenever any matter has arisen in which your advice and assistance were required, these have always been freely placed at the disposal of the Society.

We are glad to know that your work in England has been successful, and has been widely appreciated, and we trust you will return to America with none but kindly thoughts and happy memories of the Old Land.

In bidding you farewell we desire to assure you of our best and warmest wishes for your future happiness.

Your very sincere friends,

G. G. Henderson, Thos. Tyrer, Walter F. Reid, N. H. Martin, Jul. Hübner, Arthur R. Ling, W. J. A. Butterfield, Thomas Fairley, L. T. Thorne, Henry Hemingway, Wm. Macnab, John Spiller, W. R. Hodgkinson, Charles A. Keane, Watson Smith, Rudolph Messel, Dr. Lloyd Howard, E. Grant Hooper, Alex. Rule, John M. Wilkie, Ernest F. Hooper, R. H. Clayton, F. G. Donnan, Thomas W. Morson, Charles Carpenter, E. C. C. Baly, Julian L. Baker, F. R. O'Shaughnessy, Boverton Redwood, Alfred Gordon Salamon, T. F. Burton, and Charles G. Cresswell.

Professor Henderson, in presenting the souvenir to Dr. Power, spoke of the excellent work he has done in chemical research, and also referred to the high esteem in which he is held personally by British chemists. Dr. Power made a feeling reply.

Poor-law Dispensers.

The officers of the St. Pancras Guardians have presented Mr. W. E. Miller, dispensing chemist, with a writing-desk and cabinet, on his retirement after almost forty years' service as dispenser at Clarendon Square Dispensary, N.W. The presentation was made in the St. Pancras Town Hall, by Mr. J. E. P. Hall, Clerk to the Guardians, who congratulated Mr. Miller on his long and useful service in St. Pancras. Most of the office and outdoor staff, including the district medical officers and dispensers, were present at the ceremony. It was reported that the Local Government Board had sanctioned the proposal of the Guardians to add three years to the thirty-seven completed years of service of Mr. Miller (*C. & D.*, September 19, p. 38). Mr. Miller therefore receives the maximum pension.

Nottingham.

Mr. Joseph Bedford (Boots Pure Drug Co., Ltd.) is attending to business again, after his long illness following an operation.

About 40 per cent. of the Nottingham pharmacists have agreed to supply prescribed medicines free of charge to Belgian refugees.

Messrs. Fitzhugh & Carr, pharmaceutical chemists, Long Row, Nottingham, have undertaken to supply medicines free to the Bayley Hospital for Wounded, Derby Road, Nottingham.

Sheffield.

G. T. W. Newsholme, Ltd., are making a seasonable display of their Mentholated Pine Pocket Inhaler—an influenza preventive.

The whist-drive which had been arranged by the Sheffield Pharmaceutical and Chemical Society, on behalf of the Lord Mayor's Relief Fund, has been postponed as the date proved unsuitable. Notices will be issued when a suitable date has been fixed.

Mr. J. T. Tiddesley (President), Mr. J. Lee (Vice-President), and Mr. H. R. G. Shelton (Secretary), of the local branch of the National Association of Medical Herbalists, attended the funeral of the late Mr. Pointer, M.P. for the Attercliffe Division of Sheffield, who was a great supporter of treatment by herbs.

Dangers of Antipyrin.

At an inquest on May Elizabeth Manley, the wife of an engine-driver, residing at Ruby Street, Peckham, it was stated that she had taken antipyrin. Dr. A. F. Heald, who made a *post-mortem*, said that death was due to syncope, accelerated by a dose of antipyrin. These powders, he added, were dangerous, and ought to be labelled as poison, for they had a very depressing effect on the heart. Many deaths had occurred through them. He did not think for a moment that she took it with the idea of committing suicide. A verdict of death from misadventure was returned.

From Various Courts.

At Stockton-on-Tees on November 24, two lads were charged with breaking into the premises of Milburn's, Ltd., chemists and druggists, of Stockton, on November 12, and stealing 15s. from the till and goods to the value of 3l. 10s. Each was fined 1l. 1s. and bound over for a year.

At Leicester on November 23, a thirteen-year-old boy was charged with stealing 10s. and a 1l. Treasury note, the property of Mr. Wm. Wilford Whittle, chemist and druggist, 215 Charnwood Street, Leicester, on November 21. The lad, who was employed by Mr. Whittle as errand-boy, admitted the theft, and was bound over for six months.

THE RED CROSS.—It is fifty years since the Geneva Convention to organise the systematic care of the wounded during war was founded.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Sir Wm. Whitla, Ph.C., Belfast, has sent a donation of 5l. to the Belgian Refugees Fund.

Mr. P. N. White, J.P., pharmaceutical chemist, Castle Street, Sligo, has been appointed compounder of medicines to the Sligo dispensary and workhouse.

Mr. D. W. Elliott, Ph.C., Shaftesbury Square, Belfast, has been elected Hon. Secretary of the Windsor Ward Committee of the Belfast Unionist Municipal Association.

At a disastrous fire following an explosion in Lurgan last week, a squad of the U.V.F. Ambulance Corps with a stretcher, in charge of the commandant, Mr. A. W. Mann, Ph.C., was on the scene shortly after the outbreak, and rendered first aid in several cases. The damage done by the fire was over 20,000l., and a number of people were injured.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Councillor William Smart, chemist and druggist, Buckhaven, Fifeshire, has been re-elected to the local Municipal Council.

The St. Andrews University authorities have offered to place the resources of the Chemical Research Department of the University at the disposal of the Government for the preparation of synthetic drugs and other organic products for the use of the Army and Navy.

Aberdeen and the North.

Mr. George A. McGregor, chemist and druggist, Dufftown, has been elected a director of the Plate-glass Insurance Association for the current year.

Mr. Alexander W. Calder, 7 Portland Street, Aberdeen, will at the beginning of the New Year take the journey for Ayrton, Saunders & Co., Ltd., Liverpool, which Mr. M. Ledingham had before he joined the Scots Guards.

Dr. J. F. Tocher, Ph.C., F.I.C., Aberdeen, has been appointed one of the representatives of the Highland and Agricultural Society on the Governing Body of the North of Scotland College of Agriculture, Aberdeen. Dr. Tocher is the Society's analyst.

Edinburgh.

Travellers of various manufacturing firms, offering lysol substitutes, have been specially numerous recently.

At Inverleith Park on November 18, Edinburgh Union F.C. beat the Pharmacy United F.C. by two goals to one.

Local prescription business has fallen away very little since the outbreak of war, but photographic materials have been in poor demand.

Mr. R. Glode Guyer, Ph.C., President of the Edinburgh Photographic Society, presided at the opening by Lord Strathelyde, on November 21, of the exhibition of members' work in aid of the Belgian Relief Fund. Mr. J. L. Ewing, LL.D., was one of the platform party.

"THE SQUARE CHRONICLE," the official organ of the School of Pharmacy Past Students' Association, No. 7 of which has been published this week, has a distinct flavour of the war. There is a "roll call" containing the names of past and present students of the School of Pharmacy who have joined his Majesty's Forces in various capacities, and this is followed by "Experiences" contributed by some of these students. Mr. C. E. Male, who lives at Kobe, writes an interesting article on life in Japan. The number is well up to the standard of previous issues.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Paris in War-time.

II.—MAINLY ABOUT THE OFFICE PHARMACEUTIQUE.

"BUSINESS as usual" is evidently the motto of the Paris School of Pharmacy just now. Not that there is any undue "hustle" about Paris business of any kind in war-time; office hours are so shortened that it is prudent to go early to make sure of finding anyone at his place—still, he goes there daily as a rule. The posters outside announced the usual winter semester of studies, and the names of seven professors and the hours of their classes duly figured.

"But what about the students?" I asked. "Surely most of them are called up to join the Colours?"

"Oh, yes"—my interlocutor repressed a smile. "I can't say they're unduly numerous. About twenty, I believe. But the classes go on."

I thought of the 1,400 names on the school-books a dozen years ago, but turned the conversation and asked:

"And the professors? Are not some of them called up too?"

"Very few of the titular professors are young enough to serve. No, M. Daniel Berthelot is over age—forty-eight or forty-nine. M. Délepine—yes, he is doing duty as a pharmacist at one of the hospitals, I believe. I can't think of any other titular professor called up; of course, the younger men of the staff are gone."

"And is M. Perrot back from Africa? Did he go, after all?"

"Oh, yes, he went, and has returned; will be here in a few days, I believe."

We talked of the regrettable death of M. Louis Moissan. "Yes, his mother predeceased him—mercifully for her, perhaps. This gallant young fellow was thus the last of the Moissans, for he had no brother or sister. A great name has died out, and in no unworthy fashion, don't you think?"

* * * * *

I was shown into an empty room, apparently an examination-hall, which has been appropriated for the new "Office," as the name on the door indicated, and mentioned I was from the C. & D.

"Professor Béal?" Yes, he has been nominated Director of the Office. Kindly wait a moment; I will fetch him. I believe he is with the Director of the School."

I did not wait long. A little, bearded, spectacled man hustled in, alert and smiling, and lent himself to an "interview," not only with entire good humour, but with a spontaneous heartiness which made our chat as agreeable as it was interesting.

I confess I had a lurking suspicion in my mind that the Office was some new scheme to bind French commerce in red-tape, or make Frenchmen commercial by Act of Parliament. The Professor, however, disabused me of this idea even ere I had time to express it. On the contrary, his mission was to loosen the red-tape fetters of mobilisation wherever possible in favour of French pharmaceutical and chemical industry. He could not, of course, create new plant or build new factories; but what he could and did do was to provide the manufacturer with "hands."

"It's like this, you see," he said (in substance). "Here is a chemical or pharmaceutical manufactory. I send the owner a form asking (1) How much are you manufacturing monthly? (2) How much could you manufacture monthly if you had more hands? (3) How many extra hands do you need to make this monthly maximum? And (4) what men are needed? You see the owner may want one skilled technical manager who has been drafted off to join the Colours, or he may need fifty labourers; it just depends. If what he manufactures seems really necessary—I don't mean simply for army use, but to revive French commerce generally—I then formally apply to the War Office and get the men as far as possible."

"Out of the regiments?"

"Well, I don't deplete the fighting line," observed the Professor, with his quiet and constant smile—he has evidently a keen sense of humour. "There's the Reserve, and behind that come the Territorials—oldish men; and there are the 'auxiliary' men, who may be young, but are physically unfit for the Front, only good for guarding lines of communication and such work. It is from these latter classes only that I draw my men."

I began to grasp the idea. "And the military authorities make no objection? No systematic opposition or red-tape delay?"

"Rarely. There is, you see, another point. Each of

these men's wives is drawing a shilling a day Government allowance. So every hundred men that I get a job for represent a clear saving to the Government of 5*l.* per diem, without counting the extra they earn—say another 4*s.* a day—which their wives spend and keep trade going all round."

"I see. Certainly the complete paralysis of trade is a serious thing for a country enduring the strain of a long struggle. So you help to find the 'sinews of war' as well as to keep up the home supply of pharmaceuticals, etc."

"Home and export. I am in touch not only with French manufacturers, but with foreign buyers. I had a man here from Manchester a few days ago; he wanted a lot of things our French works could well turn out if properly staffed, etc.—tartar emetic and some other substances. England could buy a lot from us—pyramidon, antipyrin, and so on—if we could supply the demand. But we are now getting on. We exported some hundreds of thousands of francs' worth of stuff last month, and I hope to make it half a million or so this month."

I complimented the Professor on his success sincerely enough, and added (as an egotistical Englishman can never help doing) some blundering allusion to an energy "really Anglo-Saxon" in its tenacity. He had not, however, finished.

"Accessories, too. We must not forget them. I asked a man last week, 'Can't you make collapsible tubes for ointments and so on?' 'No demand,' he replied. 'Demand,' said I. 'If we are to sell ointments, we must put them up in something. We can't serve a pennyworth wrapped up in paper, you know.'"

"I daresay you get plenty of such 'wet-blanketing,' both from Government and from French manufacturers?" I hazarded.

"It's not so bad," said the cheery Professor, in a tone that rather confirmed my suspicion. "Bordeaux is some distance away, but there's a certain 'diplomatic valise' [despatch-box] that travels by messenger quickly enough, and I make use of it. Here in Paris I can get pretty well all done I wish; by post it's longer, naturally. I do not say it is all smooth sailing, *mais que voulez-vous?* I'm too old to fight, but I want to serve my country somehow, and I think I am serving it by helping its trade as far as I can," he added. "There's a lot to do. You have to keep your eye on what is most needed, take the line of least resistance, and see that the raw material is obtainable. You can't make bricks without straw, and one must be well posted up in existing stocks of everything to avoid errors of judgment."

"And your professorial duties?"

"Summer semester. We're in winter now, so I'm free."

"Have there been any shortages?"

"Not to my knowledge. Some were menaced, but avoided—chloral hydrate, for instance. You know Merck's had ceded their processes to a French works at La Motte-Breuil. No, it wasn't a German place, though everyone thought so, because they put Merck's labels on their stuff. They could, having special processes and utilising by-products skilfully, practically command the market here. Well, now, that's the kind of place we want to keep running at full pressure."

"La Motte-Breuil. Surely the Germans overran all that part when they advanced on Paris? Didn't they destroy the factory?"

"No. Perhaps they had respect for their countryman's name," said the Professor, his eyes twinkling meaningfully. "Anyhow, it's still there all right. They were close by. I know."

"And how do you forward goods now the railways are closed to goods traffic?"

"To begin with, the railways are not closed to goods traffic in moderate quantities. But I admit I have to help manufacturers sometimes, as you see by these printed forms," and he showed me a heap of papers, headed "Office Pharmaceutique," and requesting railway companies to forward given goods.

I had evidently already abused moments that were precious, so thanked Professor Béal and retired. He is evidently the right man in the right place.

MR. ROBERT WILLIAMSON, 58 Percy Park, Tynemouth, of Williamson & Corder, Ltd., chemical manufacturers, Newcastle-on-Tyne, who died on September 24, left estate valued at 22,359*l.* 17*s.* gross, with net personalty 21,502*l.* 15*s.* 11*d.*

MR. R. JOHNSON, chemist, Leeds, had two shops, Nos. 84 and 91 Wellington Road, Leeds. His son, Mr. W. Johnson, managed No. 84, but joined the "Leeds Pals' Battalion" some few weeks ago, so Mr. Johnson has closed No. 84 and transferred all business to No. 91.

LEGAL REPORTS.

TRADE LAW.

Selling Spirits during Prohibited Hours.—At Ammanford on November 23, Mr. Evan Evans, chemist and druggist, The Square, Ammanford, was fined 1*l.*, and costs, for selling by retail a bottle of whisky during prohibited hours (*i.e.*, on a Sunday); and a man named Wells, who bought it, was fined 10*s.* for aiding and abetting.

Indecent Goods in Shop-window.—At Portsmouth Police Court on November 14, Gilbert Noble, trading as Bell, Jenkins & Co., was fined 5*s.*, and costs, for wilfully exposing certain indecent goods, with printed directions, in his shop-window, contrary to Section 4 of the Vagrancy Act, 1824, as amended by Section 2 of the Vagrancy Act, 1838. It was stated that there was nothing exhibited but what could commonly be seen in many chemists' shops.

Oxygen Manufacture.—In the hearing of an action for nuisance, owing to machinery going all night and preventing neighbours sleeping (*Jacobs v. the British Oxygen Co., Ltd.*), in the High Court on November 24, an official from the Admiralty stated that practically all the oxygen used by the Admiralty is supplied by the defendants, that the supply is of the utmost importance for the use of wireless telegraphy and coastguard stations, and that any stoppage of the manufacture would be serious. The action was settled on terms.

Sale of Opium.—At Hincley Petty Sessions on November 19, before Alderman B. Hurst and other Magistrates, Mary Jane Knight and Albert Wood Crofts, chemist and druggist, trading as Knight & Crofts, Castle Street, Hincley, were summoned by the Pharmaceutical Society for infringement of Section 17 of the Pharmacy Act, 1868, by selling opium on August 15 and neglecting to enter the transaction in the poison-book. On behalf of the defendants, it was explained that opium is not often asked for, and the assistant who sold it on this occasion had forgotten for the time that it is a Part I. poison and that it should be entered in the poison-book. The charge was not disputed, and the Magistrates imposed a fine of 1*l.* 1*s.*, with 2*l.* 11*s.* costs.

Running Accounts for Syphons.—Before Mr. Justice Atkin in the High Court of Justice, London, on November 19, the case of *Geraut v. French* was heard. In this the plaintiffs sued to recover 140*l.* 10*s.*, being the price of 1,405 aerated-water syphons at 2*s.* each which had been supplied to the late E. A. French, grocer (the defendant was F. J. French, an administrator). The evidence was to the effect that the plaintiffs had supplied the late Mr. French with aerated waters in syphons for twenty-one years, and at the time of his death 1,405 syphons were outstanding, about 6,000 syphons having been delivered annually and 5,800 returned. Mr. Barrington Ward, for the defendant, explained that the action was quite a friendly one, but it had been necessary for the defendant as an executor to fight the case. Counsel submitted that the burden was on the plaintiffs of proving that the action arose within the statutory period, and he submitted that everything before August 12, 1907, was barred. His Lordship, however, dismissed this contention and gave judgment for the plaintiffs with costs, saying that having regard to the course of business between the parties he inferred as a matter of fact that there had been a running account, and that the syphons returned from time to time were treated as being those first delivered, consequently no part of the account was barred by the statute.

Body-belts.—In a case, *Abrahams v. Ormond*, heard by Judge Cluer at Shoreditch County Court on November 24, in regard to an account for body-belts, it transpired that a million and a half belts were disposed of by the Government after the South African War to chemists, druggists' sundriesmen, etc., at 4*s.* a dozen, although they cost 1*l.* 0*s.* 11*d.* There is now a great demand for them for our soldiers in Flanders, and those which were the subject of the present action were sold at 6*s.* 11*d.* One of the witnesses, Moss Cohen, 141 Holmleigh Road, Stamford Hill, a general dealer in anything that would make a profit, said he had been dealing largely in these body-belts, and when he saw Abrahams in September would have been willing to pay 18*s.* a dozen for them. He had been purchasing for 12*s.* and 15*s.* a dozen from chemists and others just prior to this, but had destroyed the accounts. He, however, had the accounts of purchases in October from Messrs. John Morgan Davis & Sons, chemists, 278 Bishopsgate, for 600, at 18*s.* a dozen, 45*l.*, and 2,100, at 18*s.* a dozen, 157*l.* 10*s.* He paid cash on delivery for these goods, and would have been glad of any more that they or any other chemists or drapers could let him have, as he was making a good

profit. The defence to the action, which was for fulfilment of contract, was that the transaction was a wholesale one effected in a retail draper's shop, a young girl assistant attending the plaintiff in the absence of her employer. In giving judgment, his Honour said it was clear the defendant was a respectable tradesman, and he did not see that an assistant could bind him for something he had to get. She was there to sell by retail, and it gave her no authority to sell or to pledge her employer's name for goods where she only had specimens on the premises. The deposit had been paid into court, and he considered the plea of tender good. His verdict would therefore be for the defendant, with costs. Leave to appeal was asked for and granted.

"Cadbury" as a Trade-mark.—In the Chancery Division of the High Court on Wednesday, November 25, Mr. Justice Neville heard a summons by Cadbury Bros., Ltd., Bournville, asking that the Registrar of Trade-marks should be directed to proceed with the registration of the word "Cadbury" in respect of cocoa, chocolate, chocolate confectionery, chocolate biscuits, sugar confectionery, bonbons composed of nuts or fruit, crystallised flowers, and boiled-sugar goods. Mr. Walter, K.C., stated that the name Cadbury had been on the register since May 1886 in respect of cocoa and chocolate, but the applicants dealt in a great many other goods, and it was extremely desirable to have one general comprehensive mark. This application had been referred to the Court by the Board of Trade, who in recent years had strongly opposed the registration of surnames, but counsel urged that the objection should be set aside in this case on the ground that the user was so extensive that the name had become distinctive of the applicants' goods. Counsel read declarations by leading traders all over the United Kingdom and rival firms to the effect that "Cadbury" is one of the best-known names in England in relation to cocoa and chocolate. It is not a common name, like Jones, Smith, or Brown, the use of which might hurt somebody else, and the Courts having decided that a surname can be registered, counsel submitted that this was a case where his Lordship should exercise his discretion in applicants' favour. Mr. Austen Cartmel, for the Registrar, opposed the application on the ground that there was no evidence that "Cadbury" is distinctive of any goods except those covered by the old registration. To get over this the applicants had to prove that the surname is one of unusual occurrence, which he contended they could not do. His Lordship, in giving his decision on Thursday, said that nothing could be less suitable for a trade-mark than a surname. A trade-mark connotes a monopoly, and it is inconceivable that the Legislature would think fit to give anybody a monopoly of the use of a surname. He had as much monopoly in it as he had in the air he breathed—he must share it with his fellow-citizens. But the registration of surnames is allowed in certain circumstances, and what he had to ascertain was whether the name was distinctive in the sense of being adapted to distinguish the goods of the proprietor of the mark from the goods of other persons. He was entitled to take into consideration the extent of the user, and he found that for some sixty years the name Cadbury had been associated with the manufactures of this one firm alone. He therefore thought, in the exercise of his discretion, he should order the registration to proceed, and he accordingly did so.

Trading with the Enemy.—Several important cases have come before the High Court in London this week. In one [*Continental Tyre and Rubber Co. (Great Britain), Ltd., v. Thomas Tilling, Ltd.*] the plaintiffs, an English company, claimed payment of 5,753*l.* 2*s.* 11*d.* for goods sold and delivered. The defendants resisted the claim on two grounds: (1) That the plaintiffs could not sue for the price of the goods during the war because, although they are an English company, the whole, or practically the whole, of the shares are held by alien enemies, for whose benefit, it was said, the payment would be made; and (2) that the action had been brought without the authority of the company. Mr. Justice Lush held, on November 23, that the action was maintainable, and gave judgment for the plaintiffs, with costs. In the course of it his Honour said: "Trading in England with a company like this is recognised and permitted by the Proclamation, and Section 1 (3) of the Trading with the Enemy Act, 1914, provides that 'Any transaction or act permitted by or under any such Proclamation shall not be deemed to be trading with the enemy.'" Some cases were heard on November 24 by a Special Court of Appeal, consisting of the Lord Chief Justice, the Master of the Rolls, Lord Justice Buckley, Lord Justice Kennedy, Lord Justice Swinfen Eady, Lord Justice Phillimore, and Lord Justice Pickford. In *Maxwell v. Grunhut* the plaintiff claimed: (1) A declaration that he was trustee of the assets of the business lately carried on

by the defendant under the style of the Hoffmann Construction Co.; (2) a declaration that, under and by virtue of a power of attorney, dated August 1, 1914, or otherwise, he was entitled to collect and give receipts for any moneys due to the defendant in the said business; (3) the appointment of a receiver of the assets of the said business, with liberty to pay the debts of the said business. The defendant was of Austrian nationality, but resided and carried on business in England. The plaintiff was his manager. When the war broke out between Russia and Austria, and before war had been declared with England, the defendant left this country to serve in the Austrian army, but before leaving he had furnished the plaintiff with a full power of attorney to act on his behalf. English debtors to the extent of about 2,000*l.* were anxious to pay their debts, but refused to make payment until the plaintiff's position had been made clear. Creditors to the amount of 400*l.* have to be paid, but there were no liquid English assets for that purpose. Mr. Justice Scrutton had refused to appoint a receiver, and this judgment was upheld by the Court of Appeal, the Lord Chief Justice saying that, in the opinion of the Court, no such action as this would lie. Here the agent had brought an action against his principal, and he claimed a declaration in respect of a duty owing by the agent to his principal, and not *vice versa*. Such an action was quite novel, and no authority had been cited in support of it. It was quite impossible to sustain it, and it was obvious that the agent could have no greater right than his principal who, being an alien enemy, could not sue.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

GEORGE HUNTER, LTD. (P.C.).—Capital 15,000*l.* Objects: To acquire and carry on the business of George Hunter at 20 Cumberland Street, Hull, oil and tallow manufacturers, dealers, etc.

BRITISH THORIUM CO., LTD. (P.C.).—Capital 10,000*l.* Objects: To dredge and search for, get, work, raise, refine, prepare for market, manipulate, chemically treat and make merchantable, and deal in monazite sand, nitrate of thorium, cerium, mantle-ash, and other earths, minerals, salts, and products. The subscribers and provisional directors are W. H. White, jun., and P. G. Thurston, clerks. R.O., 344-345 Gray's Inn Road, London, W.C.

Company News.

W. MURPHY & Co., LTD.—The hearing in the Chancery Division, Dublin, of the petition for winding-up this company was continued on November 24 (see *C. & D.*, November 21, p. 41). His Lordship dismissed the petition, with costs.

ILFORD, LTD.—The directors' report for the year ended October 31, 1914, states that the net profit is 22,906*l.* This amount, with 5,974*l.* brought forward from last year, gives 28,880*l.* for appropriation. The directors have paid the dividend on the 6 per cent. preference shares, amounting to 11,400*l.*, leaving a balance of 17,479*l.* 19*s.* 1*d.* From this balance the directors recommend that 4,000*l.* be set aside for writing down plant, etc., and that a dividend of 4 per cent., amounting to 7,600*l.*, be paid on the ordinary shares. This will absorb 11,600*l.*, leaving 5,880*l.* to be carried forward.

BIRTH.

Authenticated notices are inserted without charge.

CÆSAR.—At Northwood Lodge, The Avenue, Southampton, on November 22, the wife of Julius Cæsar, chemist and druggist, of twin sons.

MARRIAGES.

Authenticated notices are inserted without charge.

GOUDIE-FIGGIS.—At Montreal, Canada, on November 18, Norman Goudie, elder son of Captain and Mrs. Goudie, of Kamloops, B.C., to Jessie Norah, daughter of Mr. and Mrs. Samuel Figgis, of Montagu Grove, Hampstead.

HAYES-HARDY.—At Mill Hill Chapel, Leeds, by the Rev. R. Nicol Cross, on November 18, John Hayes, chemist, New Briggate, Leeds, to Maggie Hardy.

HOWARD-EDINGER.—At Holy Trinity Church, Sloane Street, by the Rev. F. J. Hall, Vicar of Shirburn, on November 19, Geoffrey Eliot Howard, director and secretary of Howards & Sons, Ltd., Ilford and Stratford, and younger son of Mr. Eliot Howard, D.L., Buckhurst Hill, Essex, to Edith, daughter of Mr. O. H. Edinger, 19 Cadogan Square, S.W.

JENKINS-GREGORY.—At the Scottish Kirk of St. Andrew's, Poona, India, by the Rev. J. C. Mathew, Senior Presidency Chaplain, on October 12, John D. Jenkins, general manager of Phillips & Co., Ltd., chemists, Bombay and Poona, to Margaret, only daughter of the late Mr. M. Gregory, executive engineer, Poona.

DEATHS.

Authenticated notices are inserted without charge.

FITCH.—At Littleport, Cambridgeshire, on November 7, Mr. William Cross Fitch, chemist and druggist, who was registered as such before August 1, 1868, aged seventy-four.

JOHNSON.—At Radcliffe-on-Trent, on November 11, Mr. Fletcher Atkinson Johnson, chemist and druggist, of West Bridgeford, Nottingham, aged sixty-three.

LANSDALL.—At Norwich, on November 5, Mr. Frederick William Lansdall, chemist and druggist, aged twenty-nine.

LYON.—At 72 High Street, Falkirk, on November 14, suddenly, Mr. Thomas Lyon, chemist and druggist, in his sixtieth year. Mr. Lyon was attending to business as usual on the day of his death, and was found in the shop in an unconscious condition, and death ensued from heart-failure. Shortly after passing the Minor examination in October 1878, Mr. Lyon went from Edinburgh to Falkirk, and took over the business of the late Mr. John Cowie. Subsequently he transferred the business to 72 High Street, where he died. He was much esteemed locally, and his death came as a great shock to his fellow-pharmacists in Falkirk, where he was formerly Local Secretary to the Pharmaceutical Society. He was a bachelor.

MOORE.—At Letterkenny, co. Donegal, this week, Mr. William Tedlie Moore, chemist and druggist. Deceased, who was registered in 1890, was of an advanced age, and had been in failing health for some time.

NIXON.—At 610 Manchester Road, Bury (Lancs), on November 14, Mrs. E. Winstanley Nixon, widow of the late Mr. Joseph Nixon, chemist and druggist, Bowdon, Cheshire, aged seventy-four.

ORCHARD.—At "Elmfield," Petersfinger, Alderbury, Wilts, on November 5, Mr. Edwin John Orchard, chemist and druggist, aged eighty. Mr. Orchard was formerly in business in Salisbury.

SMILEY.—At the Medical Hall, Castlewellan, on November 21, John S., youngest son of Mr. Samuel J. Smiley, registered druggist, aged one year and ten months.

SMITH.—Dr. Eustace Smith, F.R.C.P., the well-known physician for children, died on November 14, in his eightieth year. His work in connection with the East London Hospital for Children, of which he became senior physician in 1874, stands as a record of devotion and usefulness.

SMITH.—At Main Street, Lennoxtown, on November 14, Mr. William Smith, chemist and druggist, in his fiftieth year. Mr. Smith was the son of a Glasgow chemist, and was born at Balmano Street, Glasgow, in 1865. His first experience of the drug-trade was gained with the Glasgow Apothecaries' Co., Virginia Street, with which firm he remained until he qualified in April 1888. In the following year he started a business in Lennoxtown, and carried it on in spite of indifferent health until the evening before his death. While his health permitted him, Mr. Smith took a lively interest in the social life of the community, being for a long time a member of Campsie Parish Church choir, and he was in much demand as a tenor vocalist. He was a devoted Mason, and at the time of his death was President of the Campsie Mechanics' Institute. He leaves a widow.

YEO.—At 8 Cadogan Place, S.W., on November 20, suddenly, Dr. Isaac Burney Yeo, F.R.C.P., Emeritus Professor of Medicine, King's College, London. Dr. Burney Yeo qualified in 1861 as M.R.C.S.E. and L.S.A., in 1868 graduated as M.B. Lond., became a member of the Royal College of Physicians in 1871, M.D. Lond. in 1875, and F.R.C.P. in the following year. He was during this period resident medical tutor at King's College, and was for ten years one of the physicians of the Brompton Consumption Hospital, in which connection he was one of the earliest to advocate the antiseptic oro-nasal inhaler for the treatment of pulmonary tuberculosis. He filled the chair of clinical therapeutics, and afterwards that of the principles and practice of medicine in King's College.

TRADE NOTES.

RAJAR CHRISTMAS COMPETITION.—Full particulars of this are given by Rajar, Ltd., in this issue.

CAPSOTHERM is the name which Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, E.C., give to their capsicum wool, which is on the P.A.T.A.

MAY, ROBERTS & CO., LTD., have issued a special supplementary price-list, copies of which can be obtained on application to their London or Dublin offices.

LIQUID BARKOLA COMPOUND is "restored to the market in a highly improved form," say the makers, the Old Fort Chemical Co., Ltd., 27 Buckingham Road, N.

A WARM SHOP is in these cold days good for bringing business. Messrs. John Wright & Co., Essex Works, Birmingham, demonstrate this in their advertisement this week.

"PERFECTION" HOSPITAL WARE is offered by Grimwades, Ltd., Stoke-on-Trent, and 13 St. Andrew's Street, Holborn Circus, E.C., who insert in this issue an interesting illustrated page of bed-pans and similar ware made under Meinecke's patents.

THE BABY POWDER offered by Shirley Bros., Ltd., Whitecross Works, Newington Causeway, London, S.E., was incorrectly illustrated in their advertisement in the *C. & D.*, November 21, p. 16, a borated talcum powder engraving being used instead of the special style of package for the Baby powder.

POWDER-PUFFS.—We mentioned last week that F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, London, N., are well placed in the matter of puffs for making powder-puffs. We now learn that they have increased their number of employees in the powder-puff factory by the engagement of Belgian refugees skilled in this work.

THERAPION.—Messrs. De Roos, Johnson & Co., Wellesley Road, Queen's Crescent, Kentish Town, London, N.W., inform us that they are supplying a small showcard for Therapion, which they offer to send on application, either direct or through wholesale houses. The point is emphasised that customers for Therapion are also purchasers of dressings and druggists' sundries.

"ICY-HOT" VACUUM FLASKS.—The note in the *C. & D.* last week regarding the "Icy-Hot" vacuum flasks has brought such a sheaf of orders that Messrs. Henry C. Quelch & Co., Ludgate Square, London, E.C., have temporarily run out of stock. A large consignment is due to arrive, and orders will then be completed. In the meantime Messrs. Quelch offer their apologies for the delay.

P.A.T.A.—The following are this month's additions to the Protected List: Aniodal, Baker's backache pellets; Barclay's eau de Cologne; Bishop's Vyvanol emulsion; The British Drug Houses preparations, additional; Evans Gadd's Caerwise eau de Cologne; Jeyesol; Kerfoot's Sterisalt; MacSweeny's preparations, additional; Maddock's lavender bath-salt; Nasulwa preparations, additional; Pinoxic; Payan's specialties; Yardley's eau de Cologne.

ENERGEN.—The Therapeutic Foods Co. (Maurice & Co.), Bedford Chambers, Covent Garden, London, W.C., have sent us a sample of Energen gluten bread which they manufacture in Great Britain. This is the well-known Brusson Jeune bread which was formerly imported from France, but arrangements have now been made to manufacture the product in this country, and so ensure greater freshness. The bread is very palatable, and the attention of local medical men and diabetics should be drawn to its advantages. The company will send their price-list to any of our subscribers who sends them a request.

CREWE'S TRANSFERORS.—Messrs. Crewe & Co., Crown Works, Leeds, have published a new list illustrating and describing their transferors (a truck of special construction) and platforms for use with them. This method of handling goods saves much time and labour. The transferor has at one end a roller the full width of the truck, and at the other two special levers, large wheels in the centre, and a swivelling wheel at the handle end. Platforms of the required sizes are provided, and, in use, the transferor is run under the loaded platform, when slight pressure raises the load from the ground and draws the platform on to the transferor, which may then be wheeled to its destination. The firm are also makers of dinner wagons and ambulances for hospital wards, a variety of which they illustrate in a separate list. Chemists and others interested are invited to apply for lists and quotations.

DIELECTRIC TREATMENT.—Deions, Ltd., 220 Tower Bridge Road, London, S.E., are introducing a new treatment for inflammatory diseases under the name of Baines' Dielectric. The system is founded on a discovery of Mr. A. E. Baines that wherever local pyrexia exists there is a lesion of the

non-conducting nerve sheaths which allows an escape of neuro-electricity as it is being transmitted to the active cells. As a consequence the neuro-electricity escapes into the surrounding tissues, and causes a degree of inflammation in direct proportion to the quantity of neuro-electricity that is escaping. Baines' Dielectric is a means of surrounding the lesion with an insulating fluid and restoring the normal condition, so that the inflammation soon subsides. This we gather from a booklet which is sent out by Deions, Ltd., and which is supplied on application. Dielectric is used externally as a rule, but a special form, known as Dielectric emulsion, is supplied for internal use.

ANZORA CREAM.—The "Advertising World" tells the story of the rapid growth in the popularity of this preparation. It appears that Mr. C. S. Lewis, the principal of the Anzora Perfumery Co., was in 1912 strongly advised by Sir Joseph Lyons to go in for a policy of vigorous advertising. Mr. Lewis commenced with a thirty-second of a page in the "Daily Mail." That was in the spring; by July he had reached *THE CHEMIST AND DRUGGIST*, and, to put it briefly, has never since looked back. He now spends 550l. a month in advertising. Among the things that Mr. Lewis said to his interviewer were these: "Before I started advertising I thought I had done very well if I sold two gross of bottles a week. Last week I booked an order from one customer for sixty gross. The increase in my business is undoubtedly due to advertising." "One way in which I think I have helped to make Anzora popular has been by ensuring to the retailer a good profit, a thing he does not always get from proprietary articles; and in one case where a retailer would not adhere to the agreement as to price, I bought his entire stock and refused to supply him again."

NEW CATALOGUE.—Baiss Brothers & Stevenson, Ltd., 174-176 Grange Road, Bermondsey, London, S.E., have just issued their new catalogue of druggists' sundries, surgical instruments, and hospital requirements. This department of the business was started less than two years ago, and its growth is reflected in the size of the catalogue, which is a handsome, well-illustrated volume of 300 octavo pages. The department is now placed in a warehouse specially built for it, and a *C. & D.* representative, in the course of a tour of the buildings, found much of interest. The firm specialise in Sheffield-made scalpels, artery-forceps, scissors, etc. Clinical thermometers are another of their specialties, and these are marked with a special indelible preparation, and are guaranteed to be accurate to within one-fifth of a degree. Plain and medicated plasters, cotton-wool, and surgical goods generally are stocked in great variety, and the quality leaves nothing to be desired. Voluntary-aid detachment supplies are a prominent feature of the department at present. A full range of druggists' sundries is kept in stock, including bottles, ampoules, toilet-paper, etc. "Goods, not the cheapest—but the least expensive," is the principle on which this section of the business is run. Copies of the new catalogue will be ready for distribution in a few days.

COMING EVENTS.

This section of the "*C. & D.*" is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, December 1.

Röntgen Society, Institution of Electrical Engineers, Victoria Embankment, London, W.C., at 8.15 p.m. Discussion on "The Localisation of Foreign Bodies by x Rays."

Wednesday, December 2.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 a.m. Council-meeting.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 p.m. Dr. W. R. Ormandy on "Britain and Germany in Relation to the Chemical Trades."

Thursday, December 3.

Chemical Society, Burlington House, London, W., at 8.30 p.m. Among the papers to be communicated are the following: "A Redetermination of the Atomic Weight of Tin," by Mr. H. V. A. Briscoe; "The Isomerism of the Oximes. Part VI.—*p*-Dimethylaminobenzaldioxime," by Messrs. O. L. Brady and F. P. Dunn; "Organo-derivatives of Bismuth. Part II.—The Stability of Derivatives of Quinquevalent Bismuth," by Messrs. F. Challenger and C. F. Allpress.

North London Pharmacists' Association, St. Pardons, Salterton Road, Seven Sisters Road, Holloway, N., at 3.30 p.m. Discussion on "The New B.P."

Great Yarmouth Pharmaceutical Association, 156 King Street, at 8.30 p.m. Ordinary meeting.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.—An evening meeting will be held at 17 Bloomsbury Square, London, W.C., on December 8, when there will be a discussion on "The Effect of the War on the Nation's Supply of Drugs and Chemicals." Professor Greenish and Messrs. R. R. Bennett, F. W. Gamble, C. A. Hill, and J. C. Umney will take part in the discussion.

General Medical Council.

A Centenary Session.

THE Council opened its hundredth session at 299 Oxford Street, London, on Tuesday afternoon, November 25. In happier times the centenary might have been marked by at least congratulatory speeches and historical retrospect, but as the President (Sir Donald MacAlister, K.C.B., M.D.) said, in his opening address, these are not ordinary times, and the Council's "members and officers are pre-occupied with the urgent duties of the present hour." He contented himself with the remark that the Council during the fifty-six years of its existence has steadily advanced in usefulness and influence. One of the immediate consequences of the war is that the Council has been deprived this session of the able assistance of its Registrar, Mr. N. C. King, who volunteered for foreign service, and is now with his regiment, the London Rifle Brigade, at the Front. Mr. Cockington has been appointed Acting-Registrar in the meantime. Another change which the President recorded with regret was the loss of the Right Hon. Sir Christopher Nixon, who died in July. Sir Christopher, who was one of the oldest members of the Council, represented the Royal University of Ireland till in 1909 the latter gave place to the National University of Ireland. While retaining his interest in the Council to the last, he was especially in former times a frequent and polished speaker whose utterances always influenced a debate. Dr. Adye-Curran, who has had a tempestuous term of office fighting for the Apothecaries' Hall of Ireland, is succeeded by Dr. Magennis, Governor of the Hall, who was introduced by Sir Lambert Ormsby. With regard to the British Pharmacopœia the President stated:

The steps necessary for the official publication of the British Pharmacopœia, 1914, were entrusted to the Executive Committee at your last session. The work was completed in July, and was ready for issue in October; under normal conditions it would have been duly published early in that month. After the outbreak of war, it was considered inopportune to order publication without giving longer notice than was originally deemed sufficient. It was accordingly arranged that for three months advance copies should be made freely accessible for reference by persons interested, and the date of publication was postponed to the last day of the year of issue.

The effect of the war has been to defer proposed inspections of examinations, and in reply to inquiries as to the propriety of modifying medical studies in view of their being interrupted by military service, the Council has formulated a series of recommendations representing the minimum curriculum that it requires. The findings and recommendations of the House of Commons Select Committee on Patent Medicines deserved, the President said, the most careful attention of the Council. The Committee testifies in vigorous terms to the existence of a "grave and widespread public evil," and of an "intolerable state of things," for which new legislation, rather than merely the amendment of existing laws, is urgently needed in the public interest.

The customary vote of thanks was moved to the Chairman for his address by Dr. Little, amid applause. The request which has been made by Robert Ramsey, M.B., F.R.C.S., of Sandyford Place, Glasgow, that as he has ceased to practise his name should be taken off the Register, had been duly considered in committee, and it was moved from the chair that the request be acceded to. After some formal business the Council considered an item *in camera*.

In the course of the meeting the name of Mr. Walter Randall Knightley was directed to be restored to the Medical Register, also it was reported that the Executive Committee had resolved:

"That any person who holds the degrees of M.B., B.S. of the University of Allahabad shall be entitled to be registered in the Colonial List of the 'Medical Register,' provided he satisfies the Registrar of the General Medical Council regarding the other particulars set forth in Part II. of the Medical Act, 1886."

THE PENAL BUSINESS

commenced on Wednesday and proceeded briskly. Three cases postponed from last session were disposed of within an hour, some five minutes' consideration *in camera* resulting in the verdict that the Council "did not see fit" to remove their names from the Medical Register. These were Wm. Blaikie Mason, M.R.C.S., L.R.C.P., Southsea; Alexander Girvan, M.D., 8 Palace Street, Buckingham Gate, S.W.; and H. Chatterjee, L.R.C.P. and S.E. The name of Caspar Denis Downing, L.A.H., Dubl., 47 Mount Pleasant Square, Ranelagh, was, however, ordered to be erased, owing to three convictions for drunkenness being recorded against him. The charge of advertising against Vallek Cartwright Mallan, dentist, 106 Edgware Road, W., was again gone into, and the President finally made the conciliatory pronouncement that the charge of advertising included various conspicuous notices outside the premises, and shelves of teeth in Mr. Mallan's shop-window, but that the Council were not entirely satisfied that the accused fully understood that, and to give him a further opportunity his case would be again postponed till next May. Nevertheless, Mr. Mallan demanded that his name be erased from the Dentists' Register.

The Manchester Insurance Committee brought the complaint against James S. A. Walker, M.D., 416 Oldham Road, Manchester, that he had given under the Insurance Act four certificates to a patient he had neither seen nor examined, and had authorised John Watt, M.B., his assistant, to give two similar certificates. The patient was in a sanatorium at the time, and the certificates, it transpired, were continuing certificates in use in the early days of the Act, and simply required the name of the doctor and the date. The case was somewhat elaborated by Mr. Wedderburn, for the defence, and the Council sat till 6.15 to hear the witnesses and enable them to get away to Manchester.

Resuming on Thursday, the Council came to the conclusion not to erase the name from the Medical Register, but the President informed Dr. Walker that a grave view of the case was taken. The other business occupied the Council all day, and the Session had not concluded when we closed for press.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," November 18, 1914.)

- "PEROLIN," boiler-metal treatment; for preparations for the removal of boiler-scale (1). By A. Anns, "Holmleigh," Copers Cope Road, Beckenham. 363,813.
- "ABRAC"; for chemicals (1). By A. Boake, Roberts & Co., Ltd., 100 Carpenter's Road, Stratford, E. 363,979.
- "ZOLVOL"; for an ointment (3). By Louis & Co., 54 Deansgate, Manchester. 363,127.
- "HETROFORM"; for a medicinal chemical (3). By Chas. Zimmermann & Co. (Chemicals), Ltd., 9 and 10 St. Mary-at-Hill, E.C. 363,918.
- "SAN REGE," for medicinal chemicals (3) and for food substances (42); "REGEVITA," for food substances (42). By Regesan, Ltd., 7A Laurence Pountney Hill, E.C. 363,986. 363,989/90.
- "NEMAKOL"; for medicinal chemicals (3) and for food substances (42). By the International Chemical Co., Ltd., 67 and 68 Bolsover Street, W. 364,000/1.
- "LITHASPIN" and "PHENASPIN"; for medicinal chemicals (3). By T. Kerfoot & Co., Bardsley. 364,061/2.
- "RELLIM"; for salves for external use (3). By J. W. Miller & Son, Ltd., Brighouse, Yorks. 364,088.
- "SCIMATCO"; for all goods (8). By W. Watson & Sons, Ltd., 313 High Holborn, W.C. 364,053.

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

The Prescription-Checking Bureau

idea is not making much headway in Scotland, but some such scheme is bound to come if ever Insurance prescribing is to be brought under the bearing-rein. I confess that the action of the Glasgow Insurance Committee has surprised me, and even more amazing than the Committee's decision were some of the reasons stated by those who objected to the proposed bureau. How prescription-checking is going to enrich mercenary chemists at the expense of the insured is an astounding proposition, but it came from one of the class that is secure in a capitation grant of 7s. a head. Although doctors have nothing of that to lose by normal prescribing, they are beginning to feel that systematic checking will weed out the abnormal prescribers, and be the means of making them pay for their carelessness.

"As From,"

is a phrase of which Insurance Committees appear to be inordinately fond. Economy is in the air just now, and I suggest that a considerable saving would be effected by leaving out the adverb and using the preposition only in all the many sentences in which the phrase occurs in the new Tariff and the documents accompanying it. In no single case, so far as I can see, would the meaning be in the least affected, unless it were made a little clearer. Take, for example, this: "The Commissioners will decide what, if any, revision is necessary, and as from what date any revision is to take place." In Circular S. 7, "as" appears again where it most certainly is not wanted, where we are told that failing due notice we shall be deemed "to have undertaken the supply of drugs, etc., during 1915 on the terms of the Drug Tariff as amended in the manner as indicated above." Shade of Lindley Murray! The other phrase may perhaps be defended as lawyer's English, but nothing can be said for this.

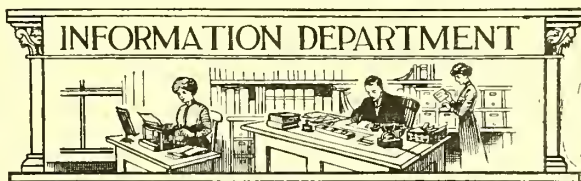
"Their Methods are Different from Chemists',"

said a medical witness at the Bethlem Hospital inquest, speaking of the way in which doctors dispense. Without bearing too hardly on the gentleman responsible for the fatal mistake in this case, it may be said that they appear to be very different indeed. Chemists do not usually "assume" that a stock bottle contains this or that, especially when dealing with drugs of somewhat uncertain character, but assure themselves precisely what it does contain. It was stated at the inquest that no recorded cases of death after an overdose of amylene hydrate are known, but it is recorded on at least semi-official authority that the favourable impression first made by this drug "has not been maintained," and that it is only "comparatively safe." A dispenser ought to know such facts as these, and to exercise corresponding care. One wonders whether mistakes like the one referred to, when they occur in private practice and with somewhat less tragical results, always come to light.

The Transference of the Name "Laudanum"

to ext. opii liq. would meet the difficulty created by the official raising of the strength of the tincture, and would do no violence to the meaning of the word, which is curious and interesting. Originally a form of "ladanum," it was given by Paracelsus, nobody knows why, to several of his own preparations, all of them, I suspect, opiates, but all solid substances—the one which came to be known specifically as *Laudanum Paracelsi* being a very composite mixture containing about a fourth part of opium. The earliest liquid preparation closely resembling this known to me was the *Laudanum Josephi Michaelis*, the formula of which occurs in a MS. of 1644, and was published in the *C. & D.* some years since. Sydenham's, however, was the first liquid laudanum to be made official in this country, and it is still official in France. It

appeared in the P.L. of 1721 and in the Edinburgh Pharmacopœia of 1735, in which a simpler form also appeared, consisting only of opium and white Spanish wine, the saffron and aromatics being omitted. This, a little strengthened, was revived in our first B.P. as *Vinum opii*, displacing the P.L. preparation of 1809 so called (the *Tinctura Thebaica* of 1746), in which the aromatics, though not the saffron, had been retained. Laudanum, then, as the name of a liquid preparation belongs historically to wine of opium, and it is simply because our "rude forefathers" called these wines tinctures that it was adopted as an official synonym for *tinctura opii*.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London E.C.

Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).

Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

173/54. "Chloral Opiate."	176/3. "Corona" medicator:
173/74. Peptone importers.	supply.
174/64. Taylor's adhesive plaster.	175/74. "Guelph" chewing-gum.
174/65. Cooke's hair-dye.	176/49. Denton's clinical thermometers.
175/55. Brown's "Will Heal" ointment.	164/46. "Formaldol."
175/550. Formalin catarrh smelling-salts.	165/11. "Nigra" hair-dye (W. & H. Harris, London and Paris).
175/551. Euborol.	166/25. "Eau de Lorraine."
175/552. "Pernicure."	167/61. Tannic-acid makers.
175/553. Elogin's Platz Eau de Cologne.	168/65. Tunbridge measures (1 oz. and 2 oz.).
175/28. Holland's furniture-cream.	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Acetylene, 161/30	"Manon Lescart" perfumery, 176/17
Akogen, 152/242	"Marie Antoinette" toilet preparations, 172/5
Algae powders, 162/45	Menthymoline, 169/12
Anderson & Cattley's soaps, 161/73	Metabisulphite of potash (for Paris), 156/251
Atlas preservative, 169/531	Metal clips for rubber tubes, 134/30
"Acrosyl," 171/2	Pocket spitting flasks, glass, 145/600
Bandage-cutting machines, 171/35, 174/67	Porcelain jars (celuloid caps), 167/31
Baramol extract, 168/40	Potassium chlorate, 124/27
Bone mounts and shields, 152/53	Potassium iodide, 171/72
Bone shields, mounts, canules, etc., 55/4, 136/5, 137/15	Pot-pourri jars, 133/43
Boro-Thymoline, 172/21	Queen Pomade Patchouli, 169/530
British "Ever-Ready" dry battery, 173/28	"Red bottle (St. Peter's Oil)" 166/254
Cacao butter, 168/680	Saccharin, 164/14
Camel-hair pencils, throat brushes, etc., 171/1, 176/17	Septonal, 165/65
Caustic potash (commercial), 171/72	Soda-ash chemical plant, 167/65
Chilian saltpetre, 171/3	"Sovereign" dry cells, 167/32
Dutch medicines, 167/44	Spruce beer, 154/24
Eau de Cologne (British), 176/14	Stationery boxes (Swiss inquiry), 168/44
Epsoloids, 163/66	Trommer Co. address, 173/13
"Ergole," 161/20	Tucker's asthma inhaler, 155/32
Enseptol, 154/5	Tinsall's handage - winder, 136/28, 156/61
"Excelsior" truss, 165/6	Turned-wood boxes, 174/63
Fisher's black-currant cough elixir, 165/72	Type-writers (chemists'), 163/61
French filter paper, 174/630	Ureometers, 160/220
Fuming sulphuric acid, 170/3	Vacuum flasks (British and American), 160/62, 167/46
"Geisha" toilet-rolls, 158/1	
Golton's car-caps, 164/46	
Liquozone, 152/72	

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LIQUORS

Editorial Articles.

British Pharmacopoeia Drugs.

ONE of the most striking features of the new British Pharmacopoeia is the evidence of its having been subjected to a boiling down process, particularly in regard to the monographs on vegetable materia medica. Drugs which are seldom used have been expurgated; crude products from which alkaloids are made are deleted, and in many cases only the active principles are given. The descriptions in the monographs are more terse and reduced to as few words as possible, often so as to remind one of Browning's style, vigorous but somewhat abrupt. Particles, pronouns, conjunctions, and even auxiliary verbs, are frequently omitted, and many sentences occur without a verb in them. The condensation process is sometimes carried so far as to ignore the customs of the drug-trade, by including in one monograph two drugs distinct in appearance, which would never be sold mixed, and as to which sufficient evidence is not available to prove that they do not differ in particulars that might affect the appearance of medicine made from them when dispensed, as in the case of the bark of *Acacia arabica* and *Acacia decurrens*. But more astounding is the case of aloes, the B.P. 1914 giving the choice of Curaçao, Socotrine, or Zanzibar. It is hardly likely in these days of keen competition, when price is a matter of importance, that the more expensive Socotrine or Zanzibar aloes will be used, and the standard of the drug will thus be distinctly lowered. That there is a marked difference in the action of the two aloes, even when equally good qualities of each are employed, is well known, and the fact that the proprietor of one of the most popular pills invariably buys the finest Socotrine aloes procurable may be taken to indicate a public appreciation of this difference. In this particular monograph the admission of porous Socotrine aloes is certainly inadvisable, since porous aloes means either aloes that has been overheated or aloes that was fermenting when air-dried in this country. It is a peculiarity of the monographs on vegetable materia medica that, unlike the chemical monographs, they do not in the least reflect what the public want—indeed, the fact that the Pharmacopoeia is intended to be only a standard for the medicine used in dispensing, and in no wise a standard for the purity of drugs generally, is demonstrated by the monographs of those that are official, and the absence of such articles as coca-leaves, jaborandi, veratrum, white and black mustard seeds, saffron, sarsaparilla, and cantharis, which are not now official. Nevertheless, something is still lacking in the monographs that remain, for they do not in all cases ensure the purest and best qualities of drug obtainable in commerce. This is owing to laxity of definition permitting the use of inferior qualities. The standard is not raised in the case of benzoin, the kind usually known as Penang benzoin (which is allowed to contain up to 15 per cent. of impurity and 5 per cent. of ash) being official, instead of the much purer Siam benzoin. In some cases commercial conditions are adumbrated by such factors as alkaloid and ash content. It is a dis-

inct improvement to give the percentage of ash for many drugs that are often employed in powder, as this should lead to the use of powders of superior purity in dispensing. But in a few cases the limit of ash given in the previous Pharmacopœias has been lowered. Thus, in *asafetida* the amount of ash permissible has been increased from 10 to 15 per cent., and the amount insoluble in 90-per-cent. alcohol has been reduced from 65 per cent. to 50 per cent. It seems regrettable that the method, adopted in the Pharmacopœia more than fifty years ago, of ordering strained or purified preparations of gum-resins and oleoresins, variable in purity as they always must be under commercial conditions, is not still authorised, except in the case of *storax*. The commercial quality of all drugs is bound to deteriorate when the price is lowered by competition, leading, as in the case of *asafetida*, to the importation of low qualities when the price is low, and of higher quality when a fairly remunerative price is given, or, as in the case of English *aconite-root*, genuine *jaborandi*, genuine *strophanthus*, and *pereira brava*, to the entire or partial disappearance of the official article from commerce, so that a lowered standard of purity in the Pharmacopœia may be regarded as a concession to undesirable competition in lowering the quality of drugs.

Although alkaloidal contents are given in respect to certain potent drugs, this is not everything. Thus under *Aconitum Napellus* no mention is made whence the root should be obtained, nor of the time of year when it should be collected, and the description indicates that the exhausted root of the present year may be mixed with the undeveloped roots of the next year's growth—in other words, no physical characters are given to insure root of good quality, or of one variety only, being used so long as it gives 0.40 per cent. of ether-soluble alkaloid. This seems hardly satisfactory, since there may be other ether-soluble alkaloids than *napiacotine* in the mixture of roots imported from the Continent as *aconite-root*. It would be better for pharmacists to grow their own *aconite*, of known botanical source, since cultivation of the root in this country is not encouraged, because a fair price cannot be got for it. It is such a powerful therapeutic agent, yet so little used, probably in consequence of its variable strength in commerce, that even in a small garden enough could be grown for the purpose by the retail pharmacist. Other recent Pharmacopœias are more particular as regards the source and quality of *aconite*. The U.S.P. requires the root to be collected in autumn, and to yield 0.5 per cent. of *aconitine*. The P.G. directs the daughter tubers of the wild plant freed from the roots to be used, collected at the end of the flowering season; and the French Codex does the same, as well as the Japanese Pharmacopœia, which adds that the root is profusely beset with rootlets.

Henbane-leaves and *hydrastis-rhizome* are now to be assayed for alkaloidal content. The former, like *belladonna-leaves*, are for the first time in the history of the British Pharmacopœia to be dried, not fresh, and the old green extracts finally disappear from the official ken. In both cases the change opens up the possibility of adulterated leaves from the Continent being used, the cheaper price of which will probably lead to a cessation of cultivation of the drugs in this country when the war is over. That *belladonna-root* must be "the root collected in autumn and dried" indicates that probably English root is intended. The *henbane* monograph does not call for "the fresh leaves and flowers, with the branches"

that the 1898 B.P. did, hence biennial *henbane*, so beloved by prescribers and pharmacists who know its physical and therapeutic properties well, is dethroned. We regret it, and if these observations were to be extended there would be more regrets, for somebody has been riding rough-shod over the *materia medica*, and landmarks that we liked are obliterated.

Sweet Nitre.

It seemed scarcely possible to extract anything fresh from Sweet Spirit of Nitre, nevertheless it has been done, and, strange to say, in connection with a revenue matter, history thus repeating itself, for in 1857 George Phillips, head of the Government Laboratories at Somerset House, followed up work by John F. Macfarlan, which resulted in some interesting observations. On the present occasion Mr. John C. Umney has been co-operating with the Government Laboratory in regard to the true alcohol-content of spirit of nitrous ether, B.P., which exporters had returned for drawback a shade higher than it was found to be in the Government Laboratories (meaning 2*d.* less of drawback per lb.), and the associated work had in view determination of the reason why. The results are given in the "Perfumery Record" for November, an advance copy of which lies before us. Briefly, the explanation of the matter is that the esters and aromatic substances in the spirit vitiate the ordinary alcoholic test, whereas the Government Laboratory method devised by Thorpe and Holmes (*C. & D.*, 1903, I., p. 234) is particularly exact in determining alcohol quantitatively in the presence of esters and aromatic bodies. It is as follows:

Twenty-five c.c. of the sample measured at 15.5° is mixed with 100 to 150 c.c. of brine in a separator, and the mixture well shaken with 50 to 80 c.c. of petroleum ether (boiling-point below 60°). After standing half an hour the lower layer is drawn off into another separator, extracted, if necessary, a second time with petroleum ether, and introduced into a distillation-flask. The petroleum ether is then washed with 25 c.c. of brine, the washings are added to the main bulk, which is neutralised, if necessary, and then distilled. The distillate is made up to 100 c.c. accurately with distilled water, and the density determined at the standard temperature in the usual manner.

A correction has to be made upon the calculation deduced by comparison with Sikes' tables, this amounting to about 0.8 per cent. less of proof spirit. For export purposes the spirit strength of spt. æther. nit. must be declared according to the percentage of alcohol found by the above method, and not according to the specific gravity of the sample. Application of the test to spt. æther. nit. is comparatively recent, Mr. Umney explains, as it was designed primarily for essences and perfumes. His paper contains references to Squibb's work on this spirit (*C. & D.*, 1889, I., p. 306), which threw some light upon the ester-content of the spirit (other than nitrite), and called attention to the ready decomposition of mixtures of water and alcoholic solution of ethyl nitrite, which had but recently then been introduced by Dunstan and Dymond as a more stable preparation than spt. æther. nit., which it is not *per se* as Squibb proved. Mr. Umney also gives records of experiments which "show that ethyl nitrite decomposes very rapidly in presence of an excess of water into alcohol and nitrous acid, and that when largely diluted the decomposition is practically complete at the end of two hours. It is therefore important that solutions of ethyl nitrite should be made in strong alcohol, and should only be diluted when required for use."

German Chemicals.

ACCORDING to the German papers, the prohibition of exports of fine chemicals has hit England hard, and the people in this country are supposed to be suffering very much in consequence of the scarcity of drugs, "the more so as illnesses have greatly increased owing to the war." It was on this account, states the "Berliner Tageblatt," that the British Government was obliged to confiscate German patents. This is interesting as showing how facts can be distorted when viewed by malignant persons. There has been a shortage of certain chemicals which we have in the course of international trading purchased from Germany, and, in consequence, the prices of some of these articles have advanced. This has had the effect of impressing upon our Government the inadvisability of depending mainly upon one source of supply for any manufactured article, and steps are being taken to render this country independent of Germany in future. If Germany is content that this should be so, the chemical-trade of this country will not complain, but we have a shrewd suspicion that the Teuton manufacturer will not relish the fact that his best customer is placing himself in a position to manufacture the most profitable articles of German trade. Confiscation of patents is a myth which exists only in German minds, and, like many German statements nowadays, is devoid of truth. The "Berliner Tageblatt" cites statistics of the quantities of bromine [51,400 kg.], salicylic acid, benzoic acid, and santonin [126,200 kg.], acetone, acetic acid, and formalin [537,500 kg.], quinine to the value of 41,642 marks, and cocaine to the value of 7,552 marks, which Germany normally exports to this country, and proceeds to deal with the desperate efforts which the Allies are supposed to be making to obtain supplies. One would imagine that Germany actually presented us with the articles she exports, instead of which, of course, there is an exchange of goods in the manufacture of which this country is in a better position than Germany. If, when the war is over, Germany cannot send us such large quantities of goods because in the meantime we shall have established alternative sources of supply, payment will have to be made in gold, and that will be one of the scarcest metals in Germany when she has compensated Belgium and France for violating their territories, and paid the other immense sums which the Allies will exact as the price of the ascendancy of the Prussian military Junker. The "Tageblatt" also refers to the proposed English company for manufacturing artificial dyes, saying:

"This proposed artificial product under the protection of the English Government shows how much the English textile industry is suffering from the lack of German dyes. Of course, if the English imagine that they are able to conjure up at a moment's notice an efficient dye-industry, sufficient even to cover their own requirements, they will be sorely disappointed. No industry is so much dependent upon endless experiments, secret processes, etc., as the coal-tar dye-industry, and by placing capital at disposal and erecting works (which will take up many months) nothing at all will be accomplished. What the English may perhaps be able to form is a Research Society for inquiring into processes for the manufacture of the dyes, and the Society will be in the first stages of its experiments when the war has come to an end. If the English like to throw good money after such doubtful experiments, we do not mind."

The "Tageblatt's" sublime indifference to the fact that England is the original home of the aniline-dye industry is due to ignorance, we daresay, and it has overlooked the fact that the proposal is to acquire aniline-dye factories in England, to extend them, and to build others. There will be more of this sort of thing before

the war is over, with rather greater determination not to allow ourselves to be again dependent upon Germany for such things as aniline dyes.

Exportations Lists.

IN the course of his observations on this subject last week "Xrayser II." said "it is rather curious that 'opium and its preparations and alkaloids' are prohibited to all destinations, whereas 'morphia and other alkaloids of opium' are set free." There is, of course, no free list, and in reply to several inquiries we point out that the earlier entry "morphia and other alkaloids of opium" has been replaced by "opium and its preparations and alkaloids." "Xrayser's" error lay in assuming that the list of entries in the earlier prohibited list which we printed as a third list (*C. & D.*, November 14, p. 34) as "omitted or transferred" was a "free list."

B.P. Chloroform.

A CORRESPONDENT calls attention to the change in the physical characters of chloroform made in the British Pharmacopœia, 1914, as noticed in the *C. & D.* A fortnight ago—viz., the increase of ethyl-alcohol content to 2 per cent., thus reducing its specific gravity to 1.483-1.487. We find that this was done on the recommendation of the Committee of Reference in Pharmacy, first in the report recording work accomplished from November 7, 1907, to April 14, 1908, as follows:

Chloroformum.—As chloroform to which 2 per cent. of ethylic alcohol has been added keeps practically indefinitely and under all conditions, this addition should be made. The specific gravity and boiling-point of this mixture is (*sic*) to be determined by the working assistant.

Then in a report of work up to October 29, 1908, the following occurs:

Chloroformum.—As chloroform to which 2 per cent. of ethylic alcohol has been added keeps practically indefinitely and under all conditions, this addition should be made. The specific gravity and boiling-point of this mixture are being determined.

The paragraphs are the same with the exception of the second sentence. Our correspondent supplements the results of "the working assistant's" determinations with more complete factors. It may be well to add for the benefit of purchasers of chloroform that on and after December 31, 1914, it will cost them more on account of the increased amount of alcohol that it contains.

CORNER FOR STUDENTS.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Report on November Analytical Exercise.

THE powder distributed to students on October 27 contained eight parts by weight of ammonium ferric sulphate (iron alum), one part of ferrous sulphate, and one part of potassium chromic sulphate (chrome alum). The calculated composition of such a mixture is:

Fe ⁺⁺⁺	9.3
Fe ⁺⁺	2.0
Cr	...	...	...	...	1.0
K	...	...	...	...	0.8
NH ₄	...	...	...	...	3.0
SO ₄	...	...	...	...	39.2
H ₂ O	...	...	...	...	44.7
					100.0

Calcium in small quantity was present as an impurity, and a faint indication of the presence of a chloride was discernible when silver nitrate was added to a solution of the powder in dilute nitric acid.

PRIZES.

The first prize for the best analysis has been awarded to CHARLES A. JOHNSON, 17 Front Street, Hetton-le-Hole.

The second prize has been awarded to

H. DALKIN ROBSON, Clifton House, Galgate, Barnard Castle.

A full report of the work done will be printed in our next issue.

The British Pharmacopoeia 1914.

Notes on the new Pharmacopoeia, which will come into force on December 31, 1914.

The Chemical Monographs.

(Continued from the "C. & D.," November 21, p. 51.)

The following contractions are employed: C.R., Recommendation of the Committee of Reference in Pharmacy; m.p., melting-point; b.p., boiling-point; app., approximately; sp. gr., specific gravity; sol., solubility; syn., synonym; the meaning of other abbreviations will be sufficiently evident. The symbols Pb and As have been used in dealing with the lead and arsenic limits. All temperatures are given in degrees Centigrade.

PHENAZONUM.

Sol. 1 in 1.2 of water (formerly 1 in 1), 1 in 1.3 of 90-per-cent. alcohol or of chloroform (previously 1 in $1\frac{1}{2}$ part). M.p. 111° to 113° (formerly 113°) (C.R.). Should yield no appreciable ash. The monograph is otherwise unaltered.

PHENOLPHTHALEIN.

Dihydroxy-diphenyl phthalide, $C_{20}H_{12}O_4$, may be obtained by heating phenol with phthalic anhydride and sulphuric acid and purifying the product. Almost insoluble in water, soluble in alcohol and in solution of sodium hydroxide to an intensely red liquid. M.p. 250° to 253° . Not more than 0.1 millilitre of decinormal NaOH should be required to produce a red coloration in 250 millilitres of recently boiled and cooled water to which has been added 0.5 millilitre of a 1-in-100 solution of phenolphthalein in 60-per-cent. alcohol. It should yield no appreciable ash.

PHOSPHORUS.

M.p. 44° (formerly 43.3°). No specific gravity is given, and no test for arsenium.

PLUMBI ACETAS.

Sol. 1 in 2.5 parts of water (formerly 1 in less than 3 parts). Should yield not less than 99.5 per cent. of $Pb(C_2H_3O_2)_2 \cdot 3H_2O$, as determined by precipitation as oxalate and titration of the precipitate by decinormal permanganate solution in presence of dilute sulphuric acid. The method of valuation is a great improvement on the previous process, which was practically unworkable except in the hands of an expert.

PLUMBI IODIDUM.

Monograph unchanged.

PLUMBI OXIDUM.

The monograph is practically unaltered.

POTASSA CAUSTICA.

Sol. 1 in 0.5 part of water, 1 in 3 parts of 90-per-cent. alcohol (formerly 1 in 2). Required to yield 85 per cent. KOH on titration (formerly 89.7 per cent.) (C.R.). The standard of the 1898 B.P. was seldom found in commercial samples.

POTASSA SULPHURATA.

The solubility-test is modified so as to exclude inferior qualities, and now reads: "Readily soluble in water. Aqueous solution yellowish, opalescent; deposits only a trace of sediment on standing" (C.R.). The solubility in alcohol is omitted. Not less than 42 per cent. and not more than 45 per cent. should be indicated by gravimetric assay as sulphate, bromine in presence of sodium hydroxide being used as the oxidising-agent. This is a new and efficient test.

POTASSII ACETAS.

Should lose not more than 10 per cent. of its weight when dried at 100° , and should contain 90 per cent. of $KC_2H_3O_2$, as determined by ignition and subsequent titration of the residue. Pb limit, 10 parts per million; As limit, 5 parts per million (C.R.).

POTASSII BICARBONAS.

Required to contain at least 99 per cent. $KHCO_3$, as determined gravimetrically and by titration (formerly 99.4 per cent.). Pb limit, 5 parts per million; As limit, 5 parts per million (C.R.).

POTASSII BICHROMAS.

The characters and tests are much restricted. It is required to contain 99 per cent. of $K_2Cr_2O_7$ by titration with decinormal solution of sodium thiosulphate after treatment with potassium iodide in presence of dilute sulphuric acid.

WESTMINSTER WISDOM.

The Week in Parliament.

INSURANCE DISPENSING QUESTIONS.

We subjoin questions submitted and answers given in the House of Commons on Wednesday, November 25, arise from panel chemists' grievances:

CHEMISTS' ACCOUNTS.—Mr. Touche asked the Secretary to the Treasury why a deduction of 40 per cent. has been made by the London Insurance Committee from the accounts of panel chemists for the month of August, and if he was aware that in the case of those chemists who use first-quality drugs a deduction of 40 per cent. is more than the profit made; and will anything be done to protect these men from unmerited loss?—Dr. Addison replied that the hon. member was under a misapprehension. Any such monthly payments as those referred to are advances only on account of the total remuneration due to each chemist in respect of the whole year. The rate at which these advances are made is a matter for agreement between the Insurance Committee and the Committee representing the panel chemists, and does not necessarily bear any relation to the actual remuneration payable.

STOCK-MEDICINE CLAUSE.—Mr. Keir Hardie asked the Chancellor of the Exchequer whether he has received a protest from the Merthyr Tydfil Borough Insurance Committee against having the new model, or stock-medicine, clause of the Insurance Commissioners forced upon them; whether this proposal is a return to the discarded Poor-Law system; and what action he proposes taking to safeguard the rights of local Insurance Committees in this matter?—Dr. Addison replied in the affirmative to the first part of the question, adding that the provision referred to merely relates to the pricing of certain mixtures, and in no way affects the standard of quality either of the medical treatment or of the drugs required to be supplied, which continue to be subject to the same conditions and safeguards as hitherto. The Chancellor is satisfied that there is no ground for the apprehensions expressed in the question.—Mr. Keir Hardie asked further whether the local Committee were expected to have these out-of-date regulations forced upon them, even if they are unanimously opposed to them?—Dr. Addison replied that the regulations are not out of date. The object of the Commissioners is to safeguard the use of the stock mixture generally employed in most parts of the country.

SAILORS' AND SOLDIERS' DEPENDANTS.

In the House of Commons on Tuesday, November 24, Dr. Addison replied as follows to a question by Sir Henry Craik as to arrangements regarding free medical attendance and drugs to dependants of sailors and soldiers:

The Special Committee set up for the purpose has prepared a scheme for utilising the generous offer of the British Medical Association, and has issued instructions to local representative Committees in England and Wales, together with a supply of special medical books for issue to suitable dependants of men serving with the Army or Navy. The scheme is now in operation throughout England and Wales, except in a few areas where a local scheme has been adopted. The local arrangements vary, but, as a rule, the books which are accepted as evidence of *bona fides* by doctors and chemists working under the scheme are issued by the local representative Committee, assisted by the Soldiers' and Sailors' Families Association. The scheme has also been brought into operation in Scotland, where it is being worked by the Soldiers' and Sailors' Families Association.

The Pharmaceutical Society of Great Britain generously offered on behalf of their members to supply the necessary medicines and appliances at cost price. The cost price of medicines and appliances supplied under the scheme is being defrayed from a grant made out of the Prince of Wales' Fund. The work of checking and pricing prescriptions is being undertaken at considerable expense by the Pharmaceutical Society under a system approved and inspected by the Committee.

CONDIMENTS FOR ARMY HORSES.

Mr. Hogge questioned the Under-Secretary for War, in the House of Commons on November 19, as to whether the War Office had refused a gift of 150l. worth of a certain condiment for the use of Army horses because they were not informed of its ingredients.—Mr. Tennant replied that the facts were substantially as stated. The spirit underlying the offer was appreciated, but it was

not considered desirable to depart from the existing practice, which is against using condiments the composition and possible effects of which are not known and cannot be determined. Experience has proved this practice to be in all respects wise.

Mr. Hogge informed our Parliamentary representative that he addressed a question on the subject to the Under-Secretary for War in consequence of a letter which he received from Messrs. B. C. Tipper & Son, of the Veterinary Pharmacy and Chemical-mills, Birmingham. In this it was pointed out that in September last they were informed by one of their customers that he had offered to the War Office a free gift of their cod-liver-oil condiment and "Grutos," to the value of 150*l.*, for the use of Army horses. If accepted, it was the intention of the firm to supplement the gift by adding 240 bottles (1,200 doses) of their medicine "Vitalis," valued at 30*l.* At a subsequent interview with one of the veterinary chiefs of the Department it was stated that the War Office would not purchase any article of which they did not know the constituent ingredients. It was pointed out that this was not a question of purchase, as there had been an offer of a free gift by a citizen. When the firm declined to furnish the ingredients they were informed that not even as a gift would the Department accept preparations of which the ingredients were not disclosed. The firm thereupon felt it to be their duty to bring the whole facts to the notice of the public.

THE GOVERNMENT AND ANILINE DYES.

The subjoined question was put on Monday, November 23, by Mr. Arthur Sherwell, M.P. for Huddersfield, to the President of the Board of Trade (Mr. Runciman), whose reply in full follows:

Question.—To ask the President of the Board of Trade whether it is the intention of the Government to assist, financially and otherwise, in the organisation of the supply of aniline and other dyes; and, if so, whether he can give the House an assurance that no engagements will be entered into on behalf of the Government until the proposals and recommendations of the Haldane Committee are laid before this House?

Reply.—Since the beginning of the war the earnest attention of his Majesty's Government has been given to the best means of averting the grave danger of stoppage of employment in the textile and other industries which depend upon a supply of colours, owing to the interruption of imports from Germany. Emergency measures are already being taken to secure for the time being the continuity of supply of dyestuffs by encouraging the immediate development of existing sources in the United Kingdom and elsewhere. In addition, however, the inquiries of the Government have led them to the conclusion that the excessive dependence of this country on a single foreign country for materials of such vital importance to industries in which millions of our workpeople are employed, constitutes a permanent danger, which can only be remedied by a combined national effort on a scale which requires and justifies an exceptional measure of State encouragement. Accordingly, the Board of Trade have entered into consultations with the principal interests concerned, with a view to the elaboration of a scheme for the establishment of an undertaking for the production of synthetic dyes and colours. In the main it is hoped that the capital required will be forthcoming from the industries by which dyes and colours are mainly used, but the Treasury are prepared, within certain limits and subject to certain conditions, to afford financial support to a well-considered scheme, which will be permanently under British control. I am not prepared at the moment to enter into fuller details, because several matters are still the subject of confidential negotiations, but further information will be made public as soon as practicable.

As regards the last part of the question, I am authorised by the Lord Chancellor to say that, in his view, the Committee over which he presides was intended to bring together those possessing special knowledge and experience of various aspects of the problems of chemical-industry arising out of the war, so as to promote an exchange of views and to give practical assistance to the Government in finding a solution, rather than for the purpose of presenting a formal report and recommendations on the very wide range of subjects within the purview of the Committee.

In these circumstances, and in view of the very urgent nature of the practical difficulties which we have to meet, I think that my hon. friend will see that it is not practicable to give the suggested undertaking.

Mr. Sherwell: Can the President of the Board of Trade say whether this House will have an opportunity of considering that further information before arrangements are completed?

Mr. Runciman: The steps which have to be taken are naturally of an urgent nature. If the House is not sitting I should certainly deprecate delaying the operations which are necessary in the interests of supply until the House meets again. The fullest information will be given to the public.

Mr. Sherwell: Are we to understand that the temporary needs which the right hon. gentleman referred to cannot be met by the interim issuing of licences in the customary way?

Mr. Runciman: My information is that they cannot be met in the interim in that way. The needs are very urgent.

Mr. Hewins: Can the right hon. gentleman say how long the present stock of dyes will last?

Mr. Runciman: I do not think it is in the public interest to say. Certainly they are not likely to last over next year.

Mr. Hewins: Can the right hon. gentleman state what the composition of the Committee that will consider this matter will be?

Mr. Runciman: It has been made fully public.

Mr. Barnes: Will it be within the purview of the Committee to inquire or take steps to prevent the importation of German dyes after the war?

Mr. Runciman: I do not think that is in the least necessary. I hope the steps that will be taken will be quite sufficient to enable English manufacturers to hold their own against German competition.

Mr. Sherwell informed our Parliamentary representative that there was eliminated from his question as originally drawn (presumably by the officials of the House) the query as to whether the statement of the Government's intention on the matter was made on the authority of the Board of Trade.

MISCELLANEOUS QUESTIONS.

The Home Secretary has informed Mr. Hinds that the London County Council acted illegally in suspending the closing requirements of the Shops Act from December 1 to 24 last year, and he told the Council so at the time.

The Chancellor of the Exchequer told Mr. Yeo on Monday that the quantity of potato spirit annually imported into this country is not separately distinguished from other spirit, and there is no prohibition of potato spirit being manufactured in Great Britain or Ireland.

The Prime Minister told Sir William Bull on Monday that the Government will do all in their power, consistent with their general policy, to encourage the further employment of both capital and labour in this country. [Sir William had in view the case of manufacturers in this country setting up factories and machinery to manufacture goods which before the war were almost exclusively manufactured in Germany and Austria, and wanted assurance that after the war is over the old conditions will not prevail.]

VACCINES AND SERUMS.

Mr. Sutton is asking the President of the Local Government Board, on November 27, what steps have been taken to make sure that the vaccines and serums on sale in the United Kingdom are not products, directly or indirectly, of enemy trade industries.

THE SHORT-WEIGHT INQUIRY.

Replying to Mr. T. Lough, M.P., on Wednesday the Parliamentary Secretary to the Board of Trade said he did not think that an amendment of the existing law relating to short weight can be conveniently undertaken at the present time.

We have received from the Committee of the Belgian Doctors' and Pharmacists' Relief Fund a list of the first subscribers to the fund which is being raised for the purpose of relieving and rehabilitating those Belgian doctors and pharmacists who have lost their means of earning a living owing to the German invasion. The subscribers include Messrs. Burroughs Wellcome & Co., 105*l.*, and Mr. J. P. Ellerington (La Pharmacie Française), 20*l.* In regard to the supply of drugs and dressings, a small supply is being despatched with a view of testing the precautions which are being taken to ensure that the goods reach their destination. It is stated that each packet of dressings sent to Belgium costs 5*l.*, and is only kept down to this figure by Messrs. Burroughs Wellcome & Co. forgoing all profit. The rehabilitation movement is to be made international, and will be commenced as soon as the condition of Belgium permits. In the meantime efforts are being made to relieve distress among the refugees in this country. Subscriptions may be sent to Mr. H. A. Des Vœux, 14 Buckingham Gate, London, S.W.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

ENGLAND.

Bath.—When, on November 12, a recommendation from the Joint Services Sub-Committee came before the Insurance Committee, to the effect that prescriptions and chemists' accounts should be checked at the expense of the Panel, Pharmaceutical, and Insurance Committees at a cost of 17l. each, an amendment to strike out the Insurance Committee was carried.

Birmingham.—A meeting of panel chemists was held on November 25. Mr. C. Thompson occupied the chair and informed the meeting that a promise had been received that the Insurance Committee would make monthly payments to chemists of a proportion, according to the funds available, of all accounts rendered by the 10th of the same month, and that, although it was impossible to obtain a definite promise in writing to that effect, there was every ground for believing that the clause dealing with reduced dispensing fees on stock mixtures would not be put in operation. The Secretary reported on the attitude of the Pharmaceutical Committee in regard to the stock-mixture clause, and after discussion a resolution was passed accepting the recommendation of the Committee to continue service during 1915, while protesting against the action of the Commissioners in imposing a clause permitting the arbitrary reduction of chemists' profits without any provisions for negotiation.

Blackburn.—It was reported to the Insurance Committee on November 24 that the deficiency on the Drug Fund was originally 27.8 per cent., but a scrutiny by the Pharmaceutical Committee had revealed excessive prescribing, and by surcharging the doctors the deficiency had been reduced to 14.8 per cent. The pharmaceutical service had been entirely satisfactory, there having been no complaints against chemists.

Bradford.—At a meeting of the Pharmacists' Association on November 24, Mr. R. T. Silson in the chair, Mr. C. Robinson reported as follows on the result of the scrutiny of prescriptions: Total cost of drugs for 1913, 13,307l. 9s. 9d. net; persons medically attended, 67,461 (out of 107,991); average cost per case, 3s. 11.55d.; average cost per person on panel, 2s. 5.702d.; total number of prescriptions, 400,401; average cost per prescription, 8.01d.; doctor's cost per person medically attended, not exceeding 1s. 6d., 10; between 1s. 6d. and 2s., 11; between 2s. and 2s. 6d., seven; between 2s. 6d. and 3s., 16; between 3s. and 3s. 6d., 20; between 3s. 6d. and 4s., 18; between 4s. and 4s. 6d., 10; between 4s. 6d. and 5s., three; between 5s. and 5s. 6d., two; between 5s. 6d. and 6s., two; between 6s. and 6s. 6d., one; between 6s. 6d. and 7s., three; between 7s. and 7s. 6d., three; between 7s. 6d. and 8s., one; one at 9s.; one at 11s. 3d.; one at 15s. 9d.; one at 19s. 0.68d.; and one at 26s. 11d.; average number of prescriptions per person on the panel 3.72. In one case the average was exceeded by 15.4. The average of prescriptions per patient was 5.96. In one case the average was 20.66, and other instances are 12.37, 11.05, 9.6, 12.36, and 12.5. The deficiencies for 1913 was 1,966l. 11s. 5d. and the chemists were discounted 14.82 per cent., but 1,980l. 5s. 6d. would be credited to the Drug Fund by surcharging doctors according to the report. A long discussion took place in regard to the stock-mixture clause and the circular from the Reading Association asking for co-operation in some form of protest against the clause and suggesting consideration of a proposal for a general refusal to sign the agreements for 1915. The meeting ended without any decision being arrived at.

Buckinghamshire.—The Insurance Committee has approved of the Draft Drug Tariff for 1915, and authorised payment of 95 per cent. (571l. 18s. 11d.) of chemists' accounts for the quarter which ended on October 11.

Derby.—At a meeting of the Insurance Committee on November 18, it was reported that a deputation from the local Pharmaceutical Association had objected to the proposed stock-mixture clause, on the ground that it is a retrogression to club-practice methods. The Medical Benefit Sub-Committee supported the chemists' objections, considering that the clause is not in the interests of insured persons. The Commissioners had written the usual letter of compulsion and explanation, and the clause was accordingly inserted in the agreements.

East Suffolk.—The Clerk reported to the Insurance Committee on November 24 that chemists' accounts for 1913 amounted to 1,830l., equal to 1s. 6½d. per head per insured person. The cost for the first three quarters of the present year was 1,760l. It therefore appeared that the whole of the Drug Fund for 1914 would be required to pay the chemists. The number of prescriptions for each of the quarters to July 11, 1914, was as follows:

Quarter ending April 11, 1913	...	...	...	17,155
Quarter ending July 11, 1913	...	...	...	15,074
Quarter ending October 11, 1913	...	...	...	12,935
Quarter ending January 11, 1914	...	...	...	16,152
Quarter ending April 11, 1914	...	...	...	23,728
Quarter ending July 11, 1914	...	...	...	17,679

Essex.—Mr. J. Freeman has been appointed the chemists' representative on the Barking District Sub-Committee of the Insurance Committee; Mr. T. L. Nicholls on that for the Chelmsford area; and Mr. G. C. Row on that for Braintree and Witham.

Gloucester.—The Finance and General Purposes Sub-Committee reported to the Insurance Committee on November 15 that they had considered the report of the Special Sub-Committee appointed to investigate the alleged over-prescribing in the city, and they recommended that two doctors, the cost of whose prescriptions exceeded the general average, should each be surcharged 150l. and the money placed to the credit of the Drug Fund for 1913. The Insurance Committee adopted the recommendation.

Hertfordshire.—The Pharmaceutical Committee has consented, under protest, to the insertion of the stock-mixture clause in the 1915 Tariff, and the Insurance Committee, on November 23, adopted the Draft Tariff (dated October 17), amended by the insertion of the clause, as the basis of the 1915 agreements.

Kent.—The Insurance Committee met on November 25, when the Pharmaceutical Service Sub-Committee reported that they had considered a complaint by an insured person against certain chemists for alleged delay in dispensing. The Sub-Committee had interviewed representatives of the chemists concerned and had elicited the fact that no distinction was made between the dispensing for private customers and panel patients, each prescription being taken in rotation. The insured person was given an opportunity of attending the meeting of the Sub-Committee but did not do so. The Sub-Committee had decided that the complaint was not substantiated and was frivolous. The Special Sub-Committee appointed to deal with the new agreements for 1915 reported that in accordance with the requirements of the Commissioners the stock-mixture clause had been inserted in the Tariff. The same Sub-Committee also reported that it had been decided, after correspondence with the Commissioners, that, on account of the variation of the local supplies of water, distilled water was to be used and charged for when "aqua" appeared in a prescription. The Finance Sub-Committee reported that they had made payments to chemists of 95 per cent. of the amounts of their accounts for the quarter ended October 11, 1914. They had refused, having regard to the Commissioners' instructions, an application by the Pharmaceutical Committee for further payments for the first two quarters of the present year.

London.—At a meeting of the London Panel Committee on November 24 the Chairman (Dr. H. J. Cardale) reported as to emergency action taken in respect of the Drug Tariff after the Commissioners suggested, and practically insisted on, the stock-mixture clause. The pharmacists felt very strongly as to the manner in which the question had been sprung upon them, and they asked him to arrange a meeting with members of the Insurance Committee, and see if a *modus vivendi* could be reached. He felt that the Commissioners had treated the chemists in an off-hand manner, and that the sympathy of practitioners was due to them, although the Panel Committee could not express itself definitely as to stock mixtures in general. As a result of the conference it was thought fair that the new Tariff, containing the clause as to stock mixtures, should be accepted by the chemists if the Panel Committee on its part would agree to delay any selection of mixtures for the present. He asked the Committee to agree to this for the lifetime of the present Committee—viz., until July next. The alternative would have been that the chemists would have refused to work under the new Tariff, and practitioners would have been thrown back on the old one, with its various inconsistencies. They would also have lost the value of the agreement on the question of aqua destillata, which would have meant a loss of 15,000l. a year to the doctors. Having themselves suffered at the hands of dictatorial authorities, he thought practitioners might stretch a point and show their sympathy with the pharmacists on this occasion. The proposed line of action was approved.

It was decided to ask the Insurance Committee to call a conference on emergency dispensing by practitioners, the desire of the Panel Committee being to secure that the system of rendering and paying accounts in such cases should be simplified. It was suggested by the Pharmacy Sub-Committee that the attention of the Insurance Commissioners be drawn to the fact that no machinery exists for dealing with a complaint by a practitioner against a chemist, or *vice versa*. It was proposed that the last three words be omitted, the possibility of a chemist having a complaint against a doctor being apparently inconceivable. Two or three speakers remarked that if a doctor told his patients to go to a particular chemist, other chemists had no right of appeal. Another doctor said that if he had trouble with a chemist in the matter of "Rep. mist.," and had to write a new prescription, he always asked that the new prescription should not be taken to the same chemist. By a large majority the words "or *vice versa*" were deleted, and the recommendation was then agreed to.—The Insurance Committee met on November 26, when the Medical Benefit Sub-Committee reported that, while protesting against the short notice given, they had agreed to the insertion of the stock-mixture clause in the 1915 agreements. They had also agreed that strychnine hydrochloride should be added to the list of drugs the prices of which are to be fixed as from January 1, 1915, and they had submitted the Tariff thus amended to the Commissioners. The Sub-Committee also reported that they had considered the report of the Panel Committee on an investigation into the cases of over-prescribing referred to them by the Pharmaceutical Committee, and as a result the Sub-Committee recommended that eighteen practitioners should be surcharged in amounts varying from 16s. 5d. to 38l. The Drugs and Appliances Sub-Committee reported that they had passed chemists' accounts for August, amounting to 12,509l. 17s. 9d., and had forwarded them to the Finance Sub-Committee for payment. The same Sub-Committee reported that the analytical examination of prescriptions for the period April 12 to 30, 1914, had been completed, and, in addition to the sixty-five cases previously reported, there are 157 practitioners the average cost of whose prescriptions has been 1s. and over. The analysis of prescriptions for May 1914 showed that the average cost was 9.6d., and in 202 cases the average cost was 1s. and over. Particulars of these cases had been forwarded to the Panel and Pharmaceutical Committees for investigation. The report of the Finance Sub-Committee stated that from the figures available it would appear that payments to chemists, etc., for 1914 will be limited to about 75 per cent. of the amounts of the accounts furnished to the Committee. The General Purposes Sub-Committee reported that Mr. J. Keall and Mr. W. J. Uglov Woolcock had been appointed members of the Joint Services Sub-Committee. The Medical Service Sub-Committee submitted particulars of thirteen complaints against panel practitioners which they had dealt with, and the Pharmaceutical Service Sub-Committee reported that they had investigated a complaint against a panel chemist that a gargle supplied to an insured person had not been sufficiently diluted, and had been supplied in a bottle half the size of that ordered, also that one of the ingredients (tinct. podophylli) had been omitted from a mixture supplied to the same insured person. The Sub-Committee found that the first portion of the complaint had been substantiated, and had directed that the chemist should be informed that the bottles provided in connection with Insurance dispensing must be in accordance with the directions on the prescription. A statement submitted by the Medical Benefit Sub-Committee showed that the names of three persons had been added to the panel of chemists, and the names of two persons had been removed, during October 1914. The reports were approved.

Newcastle-on-Tyne.—At a meeting of the Insurance Committee on November 17, the Medical Benefit Sub-Committee reported that the Panel Committee had investigated the cases of excessive prescribing, and stated that a minority of panel doctors had prescribed excessively by breaking the rule as to proprietaries and prescribing too much or too costly articles. A warning is to be given to the majority of the doctors. In moving the adoption of the Sub-Committee's report, Mr. John Moore stated that the deficit of 1,000l. in the Drug Fund would be reduced by 500l. per annum through distilled water being replaced by tap-water. A member said that this would considerably lower the quality of the medicines supplied to insured persons. The report was adopted.

Plymouth.—A report of the Medical Benefit Sub-Committee, to be submitted to a meeting of the Insurance Committee on November 27, will recommend that joint arrangements be made by the Panel, Pharmaceutical, and Insurance Committees for the continuous checking and scrutiny of

prescriptions, the expense to be borne by the three Committees in proportions to be agreed upon, and that the accounts for drugs be rendered monthly, and payments on account be made to chemists monthly.

Sheffield.—The following table shows the number and cost of prescriptions for the nine months to October 11, 1914:

Period	No. of Prescriptions	Total Cost	Average Cost
January 11 to April 11 ...	148,108	£ 5,086 14 11½	8.25d.
Months ending—			
May 11	46,559	1,624 15 6	8d.
June 11	45,926	1,555 13 3	
July 11	42,423	1,324 1 7	
August 11	32,200	972 9 5	7.08d.
September 11	40,799	1,207 16 1	
October 11	28,695	830 6 4	
Nine months, 1914 ...	381,710	13,599 17 1½	—
Same period, 1913 ...	390,676	12,746 7 0	—

The average, 7.08d., is the lowest since the early part of 1913. The highest average was in the last quarter of 1913—viz., 8.95d.

Southampton.—The Finance and General Purposes Sub-Committee has reported to the Insurance Committee that a conference regarding the stock-mixture clause was held with the chemists' representatives, who stated that, while strongly protesting against the reduction of dispensing-fees and the adoption of stock mixtures, they were not prepared further to contest the insertion of the clause in the 1915 agreements, except to suggest that a sentence should be incorporated in the clause to the effect that reduced rates will only apply to those mixtures which may be agreed upon by the Panel, Pharmaceutical, and Insurance Committees. The Sub-Committee recommended, and the Committee agreed, that the clause so amended be adopted. It was also reported that the Panel Committee had agreed to contribute 20l. towards the cost of checking prescriptions. The Sub-Committee suggested that an analysis of prescriptions should be done, the cost to be met by the Insurance, Panel, and Pharmaceutical Committees. The Sub-Committee further reported that a communication had been received from the Secretary of the Panel Committee about the resolution forbidding prescriptions of proprietary preparations (*C. & D.*, March 14, 1914, p. 125), stating that if the Insurance Committee would rescind the resolution of March 9 the Panel Committee will devise a method of carrying out the recommendations of the circular on prescribing which will be satisfactory to all parties concerned. The Sub-Committee invited the Panel Committee to submit their suggestions for consideration.

Surrey.—The Insurance Committee met on November 25, when the Medical Benefit Sub-Committee reported that, after further consultation with the Panel and Pharmaceutical Committees, they had decided that the Committee should adhere to their decision not to insert the stock-mixture clause in the 1915 agreements (*C. & D.*, October 31, p. 45). They also recommended that the prices of homatropine hydrobromide and zinc oxide should not be inserted in the Tariff, which draft, as amended, is to be submitted to the Commissioners for approval. The Sub-Committee further recommended that the Joint Committee of the Panel, Pharmaceutical, and Insurance Committees be empowered to complete the arrangements for checking prescriptions, provided that each Committee contributes one-third of the cost. Regarding an application by the Pharmaceutical Committee for administrative expenses, with which the Panel Committee did not concur, the Sub-Committee reported that the Pharmaceutical Committee had now appealed to the Commissioners for assistance in obtaining a grant. The Commissioners had inquired whether the Committee desire to make any recommendation on the matter, and the Sub-Committee recommended that the Commissioners' letter be forwarded to the Panel Committee for reconsideration of their decision. The Finance and General Purposes Sub-Committee reported that they had sanctioned payment of chemists' accounts to the amount of 722l. 16s. 2d. for the month ended October 11, and of 10l. 12s. 6d. for amounts disallowed between January 12 and January 26. It was intimated that during the past six months the names of eight chemists had been added to the panel, and one had been withdrawn.

West Bromwich.—The Pharmaceutical Committee has accepted the 1915 agreements under protest. Chemists'

accounts for the first quarter of 1914 amounted to 780l., whereas the quarterly income is 550l. Steps were taken to economise, with the result that the next two quarters were within the income. The Panel Committee has been asked to scrutinise the first quarter's prescriptions for excessive prescribing, but has replied that a *prima-facie* case has not been made out. The matter has been reported to the Commissioners and to the Insurance Committee.

Worcester.—At a meeting of the Insurance Committee on November 24, Dr. W. E. Moore Ede asked how that Committee stood with regard to herbalists. (The Committee has allowed a few persons to make their own arrangements with Mr. Burden, a herbalist.) Mr. Burden now had no *locus standi*, because the recent case "Apothecaries' Society v. Burden" went against him, and he could not accept any payment for advice. They had been paying him 7s. per head. After the case that payment could not go on. The Chairman said the Committee had paid the bills for drugs, the amount being 8s. 6d., not 7s. That Committee could not be influenced by anything which happened outside. When those insured persons applied to make their own arrangements next year the Committee would have an opportunity of expressing its opinion. The Chairman stated that chemists would be paid 70 per cent. of the amount of their accounts for the quarter ended October 11. In reply to a question, he said he had hopes that the chemists would be paid, and that if the chemists had entered earlier into the arrangement for checking accounts there would have been no cause for complaint. It was decided to engage Mr. George (Walsall) to check the last quarter's accounts.

SCOTLAND.

Aberdeenshire.—At a meeting of the Insurance Committee on November 21 it was reported that the Pharmaceutical Committee had written vigorously protesting against the insertion of the discounting clause in the 1915 agreements. The matter was referred to the Medical Benefit Sub-Committee. It was decided, on the recommendation of that Sub-Committee, not to support the proposed Central Prescription-checking Bureau, as the present arrangement with Mr. J. Johnston works well.

Berwickshire.—The Insurance Committee, on November 14, considered a letter from Dr. Georgeson (Lauder) renewing his request to be allowed to dispense for his panel patients who lived two miles distant from the chemist at Lauder. The Committee discussed the matter *in camera*, and decided to adhere to their former resolution (*C. & D.*, October 31, p. 46) that, unless exceptional circumstances could be shown, the dispensing should be done by the chemist.

Calthness.—At a meeting of the Insurance Committee on November 21 the Bureau was discussed. It was intimated that local doctors and chemists are opposed to the proposed Central Checking Bureau, objecting to contribute, but the Committee approved of the principle of the scheme.

Dundee.—At a meeting of the Insurance Committee on November 15, Dr. R. C. Buist proposed that the Commissioners' scheme for a Prescription-checking Bureau should be approved, and Mr. J. H. Thomson (chemist) seconded, remarking that they could not do the thing more cheaply locally, as the setting-up of the necessary machinery would cost them something like 180l. a year. An amendment for delay was adopted by sixteen votes to twelve.

Edinburgh.—The Scottish Commissioners have informed the Insurance Committee that drugs supplied to insured persons suffering from tuberculosis, who have not been recommended for Sanatorium Benefit, should be charged to the Drug Fund, and not to the Sanatorium Benefit Fund. A joint meeting of Sub-Committees of the Insurance, Panel, and Pharmaceutical Committees has recommended that the Commissioners should be asked to approve the following list of emergency drugs and appliances: Two (4 yds. each) bandages, open weave, 2 in., 3 in., and 4 in. wide; three domette bandages (6 yds. each), 2½ in. and 3 in. wide; 6 yds. unmedicated gauze, 36 in. wide; 6 yds. picric-acid gauze, 36 in. wide; ¼ lb. boracic lint; ¼ lb. white lint; 1 lb. cotton-wool; ½ sq. yd. gutta-percha tissue; one spool adhesive plaster at 1s.; 1 pint liq. cresol. sapon.; ½ oz. carbolic acid; 2 oz. tincture of iodine; two tubes each of morphine, strychnine, and acetomorphine hydrochlor. hypodermic tablets. This is one month's stock. —The Medical Benefit Sub-Committee has received the report on the checking of prescriptions for the month ended September 11. Of 8,619 forms, 6,003 were checked; the average cost per prescription was 10½d. The sum claimed was 362l. 0s. 8d., of which 360l. 2s. 4d. was allowed. Several instances of overprescribing were referred to the Panel Committee. The Sub-Committee, on the suggestion of the Pharmaceutical Committee, has decided, in

regard to persistent inaccuracy in pricing on the part of certain chemists, that, where there is reason to believe that the inaccuracies are intentional, the Clerk should send the month's prescriptions back to the offender, with a request that he should have them properly checked, and if inaccuracies are persisted in advance payments will be stopped. The names of two chemists have been removed from the panel, and the name of Mr. G. O. Andrews, chemist and druggist, has been added. Mr. A. F. Dawson has been appointed to the Pharmaceutical Committee in room of Mr. A. A. Murray, resigned. —The Clerk to the Insurance Committee has issued to panel chemists a circular letter regarding the amending regulations that have been prepared by the Commissioners. It is explained that in the present crisis it is deemed advisable to postpone till a more suitable time the operation of the revised regulations, which the Commissioners had intended should come into force on January 1, 1915. The amending regulations have been prepared in order that the revision need not be postponed longer than is necessary, and to afford a means of dealing with unexpected problems which may arise as a result of the abnormal conditions. They provide that if the Commissioners fix a date during 1915 for the introduction of amendments in the terms of service such as would normally have been introduced at the end of the present year, or are necessitated by the abnormal conditions, that date shall to all intents and purposes conclude a "medical year," and the notices prescribed by the current regulations will require to be given, thus preserving the right of the chemist to terminate his agreement in the event of his being unwilling to serve under the modified conditions. Chemists are also informed that if they wish to withdraw from the panel at the end of the current year, they must give notice to that effect in writing not later than December 3.

Kilmarnock.—The Insurance Committee has decided to support the Prescription-checking Bureau proposal.

Kirkcaldy.—Consequent upon a report from the Panel, local Medical, and Medical Benefit Sub-Committees jointly as to the charges against the Drug Fund being due to high prescription-frequency in the burgh, the Insurance Committee adopted on November 20 the following rule: "Repeat prescriptions are only to be given to a patient either by a visit by the doctor at the patient's house or on an attendance by the patient at the doctor's surgery, and not to a deputy."

Stirling.—The Insurance Committee last week decided, on the recommendation of the Medical Benefit Sub-Committee, to oppose the Prescription-checking Bureau proposal, and to disallow "repeat" prescriptions, unless such prescriptions bear the date of the original and were given within one month of that date. The proposed quarterly break in the chemists' agreements for 1915 was agreed to.

WALES.

Cardiff.—At a meeting of the Insurance Committee on November 21 the Clerk reported that, according to the revision of the Drug Fund figures, there is a deficit of 14.75 per cent. for 1913. Chemists have been paid in full for the first three quarters of 1913, but only 50 per cent. has been paid for the last quarter of the year, and according to the advice of the Commissioners there does not seem to be money to pay the balance. It was decided that the Sub-Committee now considering the matter should report to the Finance Sub-Committee. —A meeting of the local Pharmacists' Association was held on November 24, Mr. W. R. Williams (President) in the chair. The annual report was considered and adopted on the proposal of Mr. Leo Joseph. Mr. Easen then gave an account of Insurance matters, and a long discussion ensued in regard to the 1915 agreements and the stock-mixture clause. Mr. A. Hagon gave a summary of the position, and read a letter from Mr. Woolcock recommending the members to stand by the decision of the Local Associations Executive Committee, and giving his view that it would be fatal to resign from the panel unless chemists were united all over the country. Mr. Joseph said, even if they lost on the third year, it was better to continue to serve and then to have a strong case to present, rather than dislocate this public service at such a crucial time. The meeting finally resolved to continue service for another year, and to enter a strong protest against the stock-mixture clause. Mr. A. S. Johnson and Mr. Harris were appointed auditors.

Pontfrythire.—The Chairman of the Insurance Committee explained at a meeting on November 12 that a meeting in regard to the establishment of a central prescription-checking office for North Wales had been held, when members of the Committee consulted with the Commissioners and the Secretary of the Pharmaceutical Society about the matter, and a further meeting will be held in Cardiff

shortly. It is expected that the work will be done more efficiently and cheaply, but in the meantime the present arrangements will go on.

Merthyr Tydfil.—At the Insurance Committee meeting on November 17 a letter from the Commissioners was read insisting upon the stock-mixture clause being inserted in the 1915 dispensing agreements, explaining that it would not fetter the freedom of the Committee, and the Panel Committee is in favour of it. Alderman R. P. Rees presented the case for the chemists, and it was decided to forward to the Welsh Commissioners a protest against the insertion of the clause.

Notes.

The "London Panel Committee Gazette" has been issued by the London Panel Committee. "Regarded as an official publication it is a surprising document," says "The Lancet," which, like the "B.M.J.," is quite wroth about it.

THE 1915 AGREEMENTS for dispensing are likely to be signed and done with before a deputation of the Pharmaceutical Society is received by Mr. Masterman. In the meantime the Secretary of the Society is getting information from all the Insurance areas about cost of dispensing, checking, surcharging, and cognate matters for presentation to Mr. Masterman. It is now evident that the majority of chemists in the country are prepared to go on with the work, and that there is no concerted effort to the contrary in any district.

STOCK MIXTURES.—The "New Statesman," dealing with the Commissioners' modification of the dispensing agreement, says: "As the original uniform fee of twopence was based on an average of the rough and the smooth, the injustice of reducing it in the case of the more simply dispensed prescriptions is obvious; while, from the insured person's point of view, there is the further objection that the prescribing of stock mixtures is a slipshod proceeding which does not permit of adjustment of ingredients, or their proportions, to the needs of a particular individual. Again, tap-water is now to be used for all prescriptions except where absolutely contra-indicated. As no decent chemist would ever think of using anything but distilled water for a private customer, the substitution forms an interesting commentary on Mr. Lloyd George's plan of forbidding the doctors to dispense in order to prevent insured persons from getting inferior medicines."

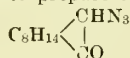
WINTER SESSION

of Meetings of Trade Associations.

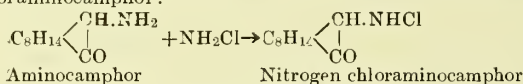
Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Birkenhead.—At a meeting of the Birkenhead and Wirral Association of Pharmacists held on Thursday evening, November 19, Mr. A. J. Stones opened a discussion in regard to a general minimum price-list for local needs, so as to produce united action instead of competition. Mr. A. J. Foxon also spoke, and a Committee was formed to deal with the whole matter so as to arrive at a practicable method of pricing which would not get out of date too quickly.

Chemical Society.—A meeting was held at Burlington House, W., on Thursday evening, November 19, Mr. W. H. Perkin, LL.D., F.R.S. (President), in the chair. He announced that the Council had considered the question of the honorary members who are at the present time alien enemies, and had decided to take no action. The first paper was by M. O. Forster and M. Sehlaefier on *Studies in the Camphane Series, N. chloraminocamphor*. Dr. Forster said the paper was the record of a failure. It was the outcome of an attempt to prepare triazocamphor,



This body can be prepared, but owing to the large number of stages in the preparation the yield is extremely poor. The obvious method, action of sodium triazide on chlorocamphor, which is applied to the preparation of many fatty triazo compounds, does not give the desired result. It was therefore decided to try the action of chloramine on aminocamphor. This reaction gives rise to nitrogen chloraminocamphor:



This last body, the subject of the paper, is difficult to get pure, since it is very soluble in all organic media and

decomposes so readily as to make it necessary to analyse it the day it is made. A solution of the compound in benzene decomposes, giving rise to $\text{C}_8\text{H}_{14}\text{CN.COOH}$. According to analogy with similar bodies, this nitrogen chloraminocamphor should, on treatment with ammonia, give camphoryl hydrazine, from which the triazocamphor desired could be obtained. Actually the action of ammonia is to give iminocamphor, $\text{C}_8\text{H}_{14}\text{C}:\text{NH.CO}$. The only other paper read was by R. N. Caven and J. J. S. Sand on the *Dissociation Pressures of Alkaline Bicarbonates*. The pressures produced by the decomposition of bicarbonates are due to the ratio of $\text{CO}_2:\text{H}_2\text{O}$, and this ratio is always equimolecular. The best results are obtained at high temperatures. In the case of caesium and rubidium the pressures are small, hence the ratio is not reliable, since a small quantity of hygroscopic water would considerably vitiate the result. The results show that the difference between the dissociation pressures of sodium and the other alkaline bicarbonates is much greater than the differences between these other bicarbonates themselves. This is in keeping with the requirements of the periodic classification demanding abnormal properties for the first member of a series.

Lanarkshire.—Mr. Hinksman presided at the annual meeting of the county Pharmacists' Association, held in Glasgow, on Wednesday, November 18. The Secretary and Treasurer submitted annual reports, which were adopted, and appreciation of their work was recorded. The year closed with a credit balance of 3*l.* 3*s.* 8*d.*, and 31*l.* 18*s.* 9*d.* has been transmitted to the Treasurer of the Pharmaceutical Standing Committee on Insurance. The retiring office-bearers were re-elected. Mr. A. McMillan then addressed the meeting in regard to the chemists of Glasgow and district making a gift to the Red Cross Society. The meeting heartily approved, and the names of the President and Treasurer were added to a Committee now being formed by the Glasgow and West of Scotland Chemists' Society. Mr. A. Laing, in a characteristic speech, supported the Prescription-checking Bureau, but did not convince opponents of the proposal. Mr. Walls and Mr. Reekie reported on the work of the county Pharmaceutical Committee as to rural areas, the net result of which has been the transference of over 3,000 insured persons from the capitation to the Drug Fund list.

Leicester.—The final annual meeting of the Leicester and Leicestershire Chemists' Association was held in the Memorial Hall, Leicester, on November 11, Mr. W. T. Hind (President) in the chair. There was a large attendance of members. The annual report showed that the past year had again been a period of exceptional activity. The Association Scheme of Apprenticeship had made very satisfactory progress, thirteen probationers attending the Preliminary course, and about the same number the advanced course for the Minor. The Association prizes for the year had been awarded as follows: First prize, F. Brelsford; second prize, D. Page; third prize, H. Dean. The Treasurer's report showed a substantial balance in hand. The borough and county members then formed two new Associations respectively, in accordance with the organisation scheme of the Pharmaceutical Society. The following officers were elected for the ensuing year: *Leicester Pharmaceutical Association*—President, Mr. W. T. Hind; *Vice-President*, Mr. F. W. Goodess; *Treasurer*, Mr. F. G. Blockley; *Auditor*, Mr. H. W. Clear; *Secretary*, Mr. C. J. Avery; *Council*, Messrs. E. A. A. Fry, A. D. Hearnshaw, E. Tomlin, W. J. Lewis, G. E. Marfitt, E. B. Ward, F. T. Wilby, and A. E. Young. *Leicestershire Pharmaceutical Association*—President, Mr. P. C. G. Stiles (Market Harborough); *Vice-President*, Mr. J. H. H. Land (Coalville); *Treasurer*, Mr. G. J. Baldwin (Loughborough); *Auditor*, Mr. A. Whitaker (Loughborough); *Secretary*, Mr. C. J. Avery (Leicester); *Council*, Messrs. R. W. Brownlow (Melton), G. W. Bullen (Ashby), W. T. Hind (Leicester), and K. Nixon (Hinckley).

London.—Mr. C. W. Brumwell presided at the annual meeting of the Ucal Lodge of Pharmacy, held in the Throne Room of the Holborn Restaurant on November 19, when a satisfactory annual report was submitted, and the retiring office-bearers and Committee were re-elected. Mr. J. G. Jackson (Sheffield), chairman of the board of directors, addressed the members, giving a detailed account of the progress of U.C.A.L., including the successful negotiations making the company sole *concessionnaires* for Cheltenham natural aperient water. During the meeting Mr. Harold Miller (managing director) and Mrs. Miller looked in, having broken their journey to Margate, where Mr. Miller is spending a short holiday recuperating after his illness. He briefly addressed the members, who received him enthusiastically. Several new members were enrolled, including a Major lady.

London County.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on November 24, Mr. J. Keall in the chair. In regard to the stock-mixture clause, information was given to the effect that, although the objectionable clause will be inserted in the Tariff, the provisions will probably not be carried into effect. The Secretaries' Sub-Committee, which has been considering the meetings of Associations, recommended that the following afternoons be reserved: Northern (first Thursday), Eastern (second Thursday), North-Eastern (third Thursday), South-Eastern (fourth Thursday), South-Western (third Wednesday). The Western Association's meetings are held in the evening, and do not clash with those of any other London Association. The report was adopted on the understanding that emergency meetings may be held at any time. A Committee was elected to produce "The Script" monthly, which is to keep the members in touch with one another. The Secretary informed the Committee that nominations of pharmacists on Local Relief Committees had been forwarded to the Town Clerk of each Metropolitan borough, and that in many cases intimation has been received that the nominations had been accepted. A special Sub-Committee was elected, consisting of Messrs. Keall, Melhuish, Hatfield, Milner, Trick, Hearle, and Jenkin, for the purpose of considering a scheme to ensure combined action in any matter affecting pharmacy in London County, and to report to the next meeting. It was agreed to forward a recommendation to the Pharmaceutical Committee that action be taken with regard to a complaint against a doctor who charges his insured patients 6d. for supplying medicines, and of his sending the more expensive prescriptions to the chemist.

Public Pharmacists and Dispensers.—The second meeting of the session of the Public Pharmacists' and Dispensers' Association was held in St. Bride Institute, Ludgate Circus, E.C., on November 25, Mr. J. H. France in the chair. After the formal business had been concluded, the Chairman called upon Mr. C. E. Sage, F.I.C., Ph.C., to deliver a lecture on "Olive Oil." Mr. Sage gave a most interesting account of the production of olive oil, from the cultivation of the trees to the pressing and refining of the oil, illustrating his remarks by a series of excellent slides. He explained fully the analytical characters of olive oil, and the tests for adulterants that he found it necessary to apply. He emphasised the necessity of specially testing oils intended for pharmaceutical use to ensure their suitability for making such preparations as ung. hydrarg. nit. and lead-plaster. Referring to the tests of the new B.P., Mr. Sage said that, in his opinion, the limits given were too wide and would admit Spanish oils at present excluded. At the conclusion of the lecture Mr. Sage answered a number of questions. A cordial vote of thanks to the lecturer terminated the proceedings.

Royal Society of Arts.—The meeting on November 25 at John Street, Adelphi, London, W.C., was taken up with a paper by Sir William Tilden, F.R.S., on "The Supply of Chemicals to Britain and her Dependencies." Sir William Ramsay was in the chair and there was a good attendance, which included several pharmacists. Sir William Tilden first endeavoured to place German chemists in their proper perspective among the nations and showed that scarcely any fundamental discovery in chemistry has been made by Teutons. Next he dealt with the chemical exports of Germany, giving the figures of coal-tar dyes, drugs, and fine chemicals. The successful efforts of Germany to capture the world's trade in fine chemicals is to be followed by efforts to obtain the business in heavy chemicals. The arrogant claim of German chemists in claiming that all progress in chemistry is due to them was shown to be fallacious, and then the lecturer detailed the causes which had led to this country lagging behind in the manufacture of fine chemicals. The chief cause he finds to be lack of education and the refusal of British manufacturers to employ trained chemists to assist them and conduct researches. What is needed are many first-rate chemists, a few engineers, plenty of capital, and some good men of business. The lecturer then showed on the screen lantern-slides of Schimmel's works at Miltitz, and concluded with a reference to the Government aid which is to be given to the aniline-colour industry in this country. In regard to the resumption of business relations with the enemy on the conclusion of the war, Sir William said that every man who cares for his country should demand that business at home shall be limited to British goods. Sir William Ramsay, who followed, has no misgivings as to the German nation, whom he characterised as "untrustworthy, unscrupulous, and cruel." He showed that the military system of organisation permeates the business community in Germany and that Germans hold that all means are permissible for obtaining business. Sir William quoted from

his address at the annual meeting of the Society of Chemical Industry in 1903, in which he outlined the system of organisation which exists in the chemical trade in Germany, the chief authority being a secret council with unlimited power. What is wanted in this country is co-operation of the chemical manufacturers against a common enemy which would be to the advantage of the country as well as themselves. He quoted from a letter which he had received that morning from M. Guillaume, of the International Weights and Measures Bureau, in which the writer stated his opinion that "every German possesses the soul of a highwayman and very few are troubled with scruples." Sir William concluded his remarks by stating that Germans, having become a dishonest race, must in future be treated as such. Dr. Dobbie referred to the difficulty in obtaining certain fine chemicals, and said that after ineffectual attempts had been made to get a certain chemical made in this country one of his staff in two days produced sufficient for the use of the Government Laboratory. This, he says, shows the need of employing trained chemists in the chemical laboratories of manufacturers. Mr. A. E. Berry (Boake, Roberts & Co.) referred to the harassing restrictions imposed upon manufacturers who desire to use pure spirit in manufactures. Professor A. Green said manufacturers must pay to obtain knowledge. He gave an example of how some manufacturers go to work who desire to make a new product—they advertise for a workman who can make it. The difficulties in obtaining permission to use pure spirit would not be so great if the regulations are interpreted in a more liberal spirit. The high price of ether in this country owing to fiscal regulations makes it impossible to manufacture certain chemicals, such as resorcin. Acetic ether is also costly because the authorities will not allow it to be made from duty-free pure spirit, and hence the manufacture of antipyrine and many dye-stuffs cannot be carried on profitably. Mr. A. C. Chapman dwelt on the need of educating the British public, with whom chemistry is synonymous with pharmacy. He referred to the supremacy of the brewing industry in this country owing to the way scientific research had been pressed into service. Mr. W. F. Reid regretted that scores of British inventions have to go abroad to be developed. As the inventor of the first smokeless powder he gave his experiences of the British War Office, who, while acknowledging the utility of the invention, said it could not be adopted by the British Army as it would require an alteration in the sights of all the rifles. Referring to the German "coal-box" shells, he said it has been known that for years the Germans have been collecting in this country material of which these are made. He advocated the formation of a real Board of Trade which could exercise advisory functions, and also dwelt upon the need of business men in chemical industries. Colonel Cassell, the last speaker, said that the services of chemists are undervalued in this country, and he was very emphatic in his assertion that now that Germans have been shown to have the minds of burglars and thieves, manufacturers must take care that no more German chemists find employment here.

Thames Valley.—A meeting of the Thames Valley Pharmacists' Association was held at the Thames Valley Café, Kingston-on-Thames, on November 25, the President, Mr. C. J. G. Bunker, in the chair. A discussion took place on *Earlier Closing*, the President explaining that the moment is opportune for this much-needed reform to shorten the hours of business. It was eventually decided that, owing to the wide area of the Association, no definite time could be fixed, but that the Secretary be directed to write to the members inviting them to co-operate with their neighbours to arrange some specified hour. A letter was read from the Reading Association relative to *Stock Mixtures*. The representatives of the Surrey and Middlesex Pharmaceutical Committee, Messrs. A. Higgs, J.P., and H. E. Clement, informed the meeting that the Tariff would not be accepted by the Commissioners unless the clause is inserted, but as regards their respective counties the Panel Committee had agreed not to act on it. Mr. Clement proposed a resolution that the session of the Association be co-ordinated with that of the County Association, the year in future to begin in August and end in July. The rules of the Association are to be modified accordingly. The two representatives of the Association on the Middlesex County Executive, Messrs. Peake and Clement, were re-elected. Mr. Clement presented a report from the Middlesex Pharmaceutical Committee on the Drug Fund and Tariff for 1915. This report was taken in committee. Arising out of the agenda item, *Dispensing for Those who have Joined the Colours*, it was stated that insured persons who joined the Army are not entitled to medical or pharmaceutical service under the Insurance Act as their contributions are payable to the Army Fund, and pharmacists who dispense prescriptions for such

persons are liable to have their accounts for same disallowed. Mr. A. Higgs stated that to prevent *extravagant prescribing* steps are under consideration to have the prescriptions analysed so that any particular doctor's prescriptions could be averaged, and should any average be found to be high the matter would be brought before the Panel Committee. Mr. Clement mentioned that similar steps are being taken in Middlesex. Resolutions were proposed from the chair re "Price Protection." Several proprietors of patent medicines are to be approached whose articles are not on the P.A.T.A. asking them to add their goods to that list or regulate a protected price.

Wolverhampton.—A meeting of the Wolverhampton Chemists' Association was held on November 18, with Mr. E. E. Hill in the chair. The Secretary announced that the Association's botany prize to students of the Technical School had been awarded to Miss W. Pearson, who is studying for the Minor. A report was received regarding the scheme for providing medicines for the dependants of soldiers and sailors, and a letter of thanks from the Town Clerk was read. Mr. F. J. Gibson reported that the Panel Committee desire to withdraw the use of the Birmingham Pharmacopœia, and to draw up a Formulary at the beginning of each quarter. Mr. H. E. Cullwick then read a paper entitled *Dental Notes*, which dealt with the evolution, formation, and growth of the teeth, and the cause of toothache. In regard to the evolution of the teeth, the lecturer made some interesting observations. He pointed out that within the space of history there has been no appreciable change in the formation of the human skull, and, in view of the wide differences between the skull of the chimpanzee and that of a man, some idea is given of the vast period of time involved in the process of evolution.

Practical Notes and Formulæ.

Boric Acid as a Paste-preservative.

BULLETIN 109 of the United States Department of Agriculture deals with the moulds of cigars and their prevention. Much of the trouble is traced to the use of tragacanth paste which is infected with spores. The remedy recommended is to employ a saturated solution of boric acid for making up the tragacanth paste, but care must be exercised not to use the resulting paste too freely, as the appearance of mould may be given through the crystallisation of the boric acid.

Waterproofing Garments.

With reference to the note on this subject in the *C. & D.*, November 21, p. 39, it appears that experiments have also been made in Germany with a 2-per-cent. solution of lanoline in petrol. In place of lanoline one of the German papers refers to a by-product from ropeworks which appears to be a crude form of wool-fat. The suggestion has also been made that in the old aluminium process (*C. & D.*, November 21, p. 61) it is an improvement to employ aluminium formate in place of the acetate, and in this way avoid the disagreeable odour of acetic acid which remains in the garments. Formic acid is more volatile, and the smell soon disappears.

Noyau.

MR. H. S. SHREWSBURY, F.I.C., F.C.S., writing in the "Bulletin of the Department of Agriculture of Trinidad and Tobago," states that in Trinidad four different flavouring substances, two of which are harmless and two poisonous, may be bought as noyau. Thus an innocent customer may purchase under this name any of the four following substances:

(a) West Indian essence of noyau, a spirituous solution of an essential oil, of which the kernels of *Prunus occidentalis* and the seeds of *Ipomœa dissecta* are stated to be sources.

(b) Essence of almonds, a spirituous solution of essential oil of almonds.

(c) Essence of noyau (so-called), a spirituous solution of nitrobenzene.

(d) Oil of noyau, or pure nitrobenzene.

The writer gives a table exhibiting the differences of these preparations, and mentions a case in which death resulted from the use of false noyau. A simple test is given which will enable anyone to tell whether a sample of noyau is poisonous or very poisonous, and the author indicates the best preliminary household treatment in cases of poisoning following the use of false noyau.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. THOMAS TAME, chemist and druggist, Boscombe, has been nominated to fill a casual vacancy on Bournemouth Town Council.

MR. G. CLARIDGE DRUCE, M.A., Ph.C., Oxford, is as keen as ever in regard to local work, and has again joined the City Education Committee.

MR. CHARLES HARDY, chemist and druggist, High Street, Leiston, Suffolk, has been returned unopposed to a seat on the Urban District Council.

MR. THOS. FELL, pharmacist, late general manager and director of S. F. Goss, Ltd., has been appointed buyer of the perfumery and toilet department at Harrods, Ltd.

ALDERMAN J. C. COLES, Ph.C., and Alderman E. Neale, chemist and druggist, Chippenham, have been appointed Charity Trustees. Mr. Neale has also been elected on the Joint Burial Board.

MR. W. S. GLYN-JONES, M.P., returned to London from Smedley's Hydropathic Establishment, Matlock, on Saturday, November 21, feeling much the better for the change, but he is still inconvenienced by the muscular affection of the left eye.

ALDERMAN W. EDMONDSON, of Messrs. Edmondson & Vogt, chemists and druggists, Highgate, Kendal, has been elected a representative of the Town Council on the Joint Smallpox Hospital Committee and a member of the Borough Education Committee.

MR. HENRY S. WELLCOME is to present a gold medal to Dr. Frederick B. Power, to commemorate his directorship of the Wellcome Chemical Research Laboratories for eighteen and a half years. In addition, Mr. Wellcome is having a life-size portrait of Dr. Power painted.

MR. T. F. BURTON, B.Sc., has been appointed by the Council of the Society of Chemical Industry to succeed Mr. Watson Smith, F.I.C., F.C.S., as editor of the Journal of the Society. Mr. Burton has been assistant editor of the Journal for some years, and his appointment is unanimous.

MR. H. MOORE, Midland and Eastern Counties representative of Messrs. Suttley & Silverlock, met with a serious accident on November 22, fracturing his ankle through a fall downstairs at his residence in Birmingham. Mr. Moore is progressing favorably, but is not having much rest owing to pain.

MR. J. W. SINEL (formerly of Sinel & Son, the New Drug-stores, Jersey) left that island last week for London en route for Upper Egypt, where for some months he will be engaged in archaeological research. This is Mr. Sinel's second visit to the land of the Pharaohs for the same purpose. His father, Mr. Joseph Sinel, is now Curator of the Jersey Museum.

GRAHAM GEORGE BRIDGE, aged eight years, who is a candidate for the Commercial Travellers' School, Pinner, at next month's election, is the son of Mr. George H. Bridge, who represented the Stipendium Stopper Co. for eight years, and died last year, leaving a widow and six children unprovided for. Any connected with the drug-trade who have votes to spare are requested to give them to the boy Bridge. Mr. Frank Carpenter, of the Stipendium Stopper Co., 1 Newman Street, Oxford Street, W., is one of those who support the candidature.

OUR felicitations, and those of everyone in pharmacy, to Mr. Gilbert E. Jones, cashier to the Pharmaceutical Society, 16 Bloomsbury Square, W.C., on the occasion of his golden wedding—November 23. His colleagues at the Square took the opportunity of presenting him with a handsome token of their regard. Mr. Jones has been at the Square since the 1868 Act came into force, and has been particularly solicitous for the welfare of students, successive teams of whom he has stimulated in the cricket-field and in other sports, besides helping them in many other matters, and he is still as young as ever in spirit.

DUTY ON MEDICATED WINES.—Mr. Hogge asked the Chancellor of the Exchequer on Thursday whether he will consider the advisability of making it illegal to retail any spirits under 33 under proof instead of 25 as at present; and whether he will consider the advisability of enforcing, as in patent medicines, a stamp duty of 1s. per reputed bottle and 6d. per reputed pint on all medicated wines?—The Financial Secretary, in reply, said that the whole question of patent medicines had been reported on by a Select Committee, and he could not undertake to deal with the suggestion made by the hon. member apart from the general question raised in that Report.

Our American Letter.

(Special Correspondence to the "C. & D.")

United States War-taxes.—We reported recently (*C. & D.*, October 10, p. 43) that the Government of the United States had found it necessary owing to the fall of Customs revenue to impose more internal taxation. This takes the form chiefly of licence and stamp duties. Among the latter a stamp-duty is imposed: For and upon every packet, box, bottle, pot, phial, or other inclosure containing any essence, extract, toilet-water, cosmetic, vaseline, petrolatum, hair-oil, pomade, hair-dressing, hair-restorative, hair-dye, tooth-wash, dentifrice, tooth-paste, aromatic cachous, or any similar substance or article, by whatsoever name the same heretofore have been, now are, or may hereafter be called, known, or distinguished, used or applied as perfumes or as cosmetics, and sold or removed for consumption and sale in the United States, where such packet, box, bottle, pot, phial, or other inclosure, with its contents, shall not exceed at the retail price or value the sum of 5 cents, one-eighth of 1 cent; not exceeding 10 cents, two-eighths of 1 cent; not exceeding 15 cents, three-eighths of 1 cent; not exceeding 25 cents and for each additional 25 cents of retail price, five-eighths of 1 cent. Chewing-gum or substitutes are also charged with a stamp-duty of 4 cents when in packages of not more than \$1, and 4 cents for every dollar or fraction of a dollar above \$1. All articles to which these stamp-duties apply must be stamped when sold on and after December 1, and retailers are given the option of affixing the stamp at the time of sale.

Labelling Proprietaries.—The Bureau of Chemistry of the Department of Agriculture has issued a circular regarding the proper labelling of medicinal preparations to comply with the Food and Drugs Act. The following are the recommendations:

1. **CLAIMS OF THERAPEUTIC EFFECTS.**—A preparation cannot be properly designated as a specific, cure, remedy, or recommended as infallible, sure, certain, reliable or invaluable, or bear other promises of benefit unless the product can as a matter of fact be depended upon to produce the results claimed for it. Before making any such claim the responsible party should carefully consider whether the proposed representations are strictly in harmony with the facts; in other words, whether the medicine in the light of its composition is actually capable of fulfilling the promises made for it. For instance, if the broad representation that the product is a remedy for certain diseases is made, as, for example, by the use of the word "remedy" in the name of the preparation, the article should actually be a remedy for the affections named upon the label under all conditions, irrespective of kind and cause.

2. **INDIRECT STATEMENTS.**—Not only are direct statements and representations of a misleading character objectionable, but any suggestion, hint, or insinuation, direct or indirect, or design or device that may tend to convey a misleading impression should be avoided. This applies, for example, to such statements as "has been widely recommended for," followed by unwarranted therapeutic claims.

3. **INDEFINITE AND SWEEPING TERMS.**—Representations that are unwarranted on account of indefiniteness of a general sweeping character should be avoided. For example, the statement that a preparation is "for kidney troubles" conveys the impression that the product is useful in the treatment of kidney affections generally. Such a representation is misleading and deceptive unless the medicine in question is actually useful in all of these affections. For this reason it is usually best to avoid terms covering a number of ailments, such as "skin diseases, kidney, liver, and bladder affections," etc. Rheumatism, dyspepsia, eczema, and the names of many other affections are more or less comprehensive, and their use under some circumstances would be objectionable. For example, a medicine should not be recommended for rheumatism unless it is capable of fulfilling the claims and representations made for it in all kinds of rheumatism. To represent that a medicine is useful for rheumatism, when as a matter of fact it is useful in only one form of rheumatism, would be misleading; such statements as "for some diseases of the kidney and liver," "for many forms of rheumatism," are objectionable, on account of indefiniteness. Names like "heart remedy," "kidney pills," "blood purifier," "nerve tonic," "bone liniment," "lung balm," and other terms involving the names of parts of the body are objectionable for similar reasons.

4. **TESTIMONIALS.**—Testimonials, aside from the personal aspect given them by their letter form, hold out a general representation to the public for which the party doing the labelling is held to be responsible. The fact that a testimonial is genuine and honestly represents the opinion of the person writing it does not justify its use if it creates a misleading impression with regard to the results which the medicine will produce. No statement relative to the therapeutic effects of medicinal products should be made in the form of a "testimonial" which would be regarded as unwarranted if made as a direct statement of the manufacturer.

5. **REFUND-GUARANTEE.**—Statements on the labels of drugs guaranteeing them to cure certain diseases or money refunded may be so worded as to be false and fraudulent and to constitute misbranding. Misrepresentations of this kind are not justified by the fact that the purchase price of the article is actually refunded as promised.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 26, 6.30 p.m.

ALTHOUGH there are fewer changes in market values this week, the recent improvement in business is well maintained, both on home and export account. Wholesale druggists and manufacturing chemists continue busy, and the export demand has broadened. Turkish opium has further advanced, and the alkaloids again follow, codeine being about 4s. 6d. per oz. higher. The benzoates have been in large demand, and are tending higher. Matto Grosso ipecac. is held for a further advance; a good business has again been done in star anise oil at low rates to arrive, but prices have improved from the lowest point touched. Lemon oil is easier, both on spot and for new crop. Japanese mint oil has been selling freely at advancing prices. Ceylon citronella oil is cheaper. Some of the fine chemicals are becoming more difficult to obtain owing to obstacles Italy is placing on their transportation from Switzerland. The principal alterations in value are as follows:

Higher	Firmer	Easier	Lower
Caraway-seed	Benzoin	Cloves	Citronella oil
Carbolic acid	Dextrin	Copaiba	(Ceylon)
Coconut oil	Farina	Shellac	Lemon oil
Codeine	Galls (Pers.)		
Gran. parad.	Gum acacia		
Ipecacuanha	(Sudan)		
Morphine	Quicksilver		
Opium (Turk.)	(seconds)		
Toluol	Resorcin		
Turpentine			
Wax, Japan	(veg.)		

A drug-auction will be held next Thursday, December 3.

Cablegram.

NEW YORK, November 26.—Opium, peppermint oil in tins, and menthol are all unaltered at last week's prices, which were \$9.25, \$1.40, and \$2.55 per lb. respectively. Curaçao aloes in cases is steady at 13c. per lb. Copaiba balsam is easier at 36c., and Cartagena ipecacuanha is lower at \$1.75. Round buchu-leaves are easier at \$1.45. Both guarana and Mexican sarsaparilla are steady at \$1.10 and 12c. per lb. respectively.

London Markets.

ACETO-SALICYLIC ACID is becoming temporarily scarce again, but further supplies are on the way. Business has been done at from 6s. 6d. to 6s. 9d. per lb., and some holders ask 7s.

AMMONIA SULPHATE.—Quiet; grey, 25-per-cent., is quoted at 107. per ton naked at works; Hull, 24-per-cent., 107. 12s. 6d.; Liverpool, 107. 15s.; Leith, 107. 17s. 6d., less 3½ per cent.

ANISE OIL (STAR).—Business has again been done in "Red Ship" brand at extremely low prices, but since there has been a recovery at from 3s. 5d. to 3s. 6d. per lb. c.i.f. for December-January shipment. The spot price is 5s. 4d. to 5s. 6d. for this brand. The fact that the Continental markets are closed is said to be responsible for the eager sellers.

ANISEED.—Prices are nominally unchanged at 35s. per cwt. for Russian and 37s. 6d. for Spanish.

ANTIMONY.—Business has been done in Chinese crude at 257. 10s. per ton, but owing to spot scarcity sellers ask 247. 10s. per ton.

AFOMORPHINE.—Makers quote 45s. per cz. net.

ARROWROOT.—Fair manufacturing St. Vincent is quoted 2½d. per lb. spot, and common 2d. to 2½d.

BALSAM TOLU is offered at 2s. per lb. for fair quality.

BELLADONNA-LEAVES.—An arrival of 80 bales has taken place (presumably from Germany) *via* Rotterdam.

BENZOIC ACID ex toluene has been sold at 3s. 9d. per lb., with 4s. asked.

BENZON.—A very fair quantity of Palembang has been sold at better prices than those recently ruling.

CAJUPUT OIL.—Sellers quote 3s. 6d. per bottle of 21 oz.

CANARY-SEED is slow of sale, but the quotation is unaltered at 92s. 6d. per quarter for ordinary quality.

CARAWAY-SEED is dearer at 32s. 6d. per cwt. on the spot for good Dutch.

CARBOLIC ACID.—Crystals, 39° to 40° C., have advanced to 1s. 3d. per lb. in large bulk packing, at which business has been done. Crude 60° is 3s. to 3s. 1d. per gal. ex works.

CASHEW-NUTS.—At auction 20 cases shelled were bought in at 55s. per cwt.

CASTOR OIL.—English make is quoted at 25l. 15s. per ton for first-pressing in barrels for prompt to December 1914 delivery, and 26l. 5s. for January-June 1915. Finest medicinal quality is 28l. 5s. in barrels and 30l. 15s. in cases, delivered free on wharf London. In Liverpool good seconds Calcutta is in limited request at 5d. per lb.

CHILLIES.—Owing to scarcity values are nominal at 80s. to 85s. for Zanzibar.

CHIRETTA meets with a slow sale, the nominal value being about 5d. per lb.

CINCHONA.—The auction to be held at Amsterdam on Friday, December 11, will consist of 1,433 packages pharmaceutical bark, weighing 78,814 kilos. The first-hand stock at Amsterdam on November 19 consisted of 9,775 packages Government and 55,164 packages private bark, including the first-hand packages to be offered on December 10 and 11.

CINNAMON.—At auction 295 Ceylon plantation unworked were bought in; 17 bales *wild* sold without reserve at from 1½d. to 1¾d. per lb. Privately, Ceylon, London assortment is quoted 7d., firsts 8d., and seconds 7½d. per lb. c.i.f. for December-January shipment.

CITRIC ACID is quoted at 2s. 6½d., with prompt delivery rather scarce.

CITRONELLA OIL.—Ceylon is cheaper, drums on the spot offering at 1s. 7d. per lb., and to arrive November-January steamer shipment is quoted 1s. 2d. per lb. c.i.f.

CLOVES.—At auction 200 bales new crop Zanzibar sold without reserve at 6½d. to 6¾d. for fair darkish, being easier. Privately, sellers of fair quote 7½d.

COCA-LEAVES.—The auction to be held at Amsterdam on December 11 will consist of 722 packages Java, weighing 42,215 kilos.

CODEINE has advanced about 3s. 6d. per oz., with sales of the pure crystals up to 22s. per oz. net, with 23s. asked.

COD-LIVER OIL.—Although there is not much business doing (our Bergen correspondent writes on November 16), the market remains firm at 71s. per barrel c.i.f. terms. The exports from Norway up to the end of October amounted to 39,500 barrels, against 32,500 barrels at the corresponding period of 1913. In London agents quote from 71s. c.i.f. upwards, *plus* war risk.

CORIANDER-SEED sells slowly at 11s. per cwt. for small lots of good Morocco.

CREAM OF TARTAR is quoted at 155s. to 157s. 6d. for 98-per-cent. powder for prompt delivery.

CUBEBS.—The market has been cleared of all qualities, including common stalky.

CUMIN-SEED is steady at 45s. per cwt. for good Morocco, and at 52s. 6d. for Malta.

DEXTRIN is firmer at from 18l. 10s. to 19l. per ton ex wharf London.

DIGITALIS-LEAVES are now scarce again, recent parcels offering having been cleared.

FARINA is firmer at 15l. per ton on the spot.

FENUGREEK-SEED.—A fair business is reported at 8s. 6d. per cwt. for Morocco on the spot.

FORMALDEHYDE is quoted at from 58s. to 60s. per cwt. for 40-per-cent., according to seller.

GALANGAL.—The spot stock appears to be exhausted.

GALLIC ACID.—Small supplies have come to hand *via* Italy; sellers quote 3s. 6d. to 3s. 9d. per lb.

GALLS.—Business has been done in Persian blue at 75s. per cwt. spot, with 80s. asked. Green are worth about 70s.

GINGER.—Current prices are: Jamaica, 33s. to 36s. for common, and 40s. to 45s. for medium to good; Cochin, 23s. to 25s. 6d.; and "C." 37s. 6d.

GRAINS OF PARADISE, after the recent decline, are now scarcer and dearer at about 70s. per cwt.

GUM ACACIA.—Sudan gums are firmer, the value of good pale being 74s., fair sorts 52s. 6d., and hard amber sorts 47s. 6d. per cwt. on the spot.

HONEY.—Few imports have taken place this week, but there is a fair stock. The value of good liquid Jamaica in barrels is about 27s. 6d., and for fair white New Zealand in cases 37s. 6d. to 40s. is wanted.

INSECT-FLOWERS.—The spot value of good closed genuine Dalmatian flowers is about 220s. per cwt., with a very limited quantity offered. Old and inferior quality appears to be offering from France at much less. We understand that the Dalmatian crop was gathered in due course, but no shipments are likely from Trieste until the war is over.

IPECACUANHA is dearer, with a fair business from first-hands at from 10s. to 10s. 6d. per lb. for Matto Grosso. Cartagena is quoted 7s. 6d. per lb. Since the war commenced about 200 bales of Matto Grosso and Johore ipecacuanha have been sold.

KOLA.—Good bright West Indian are offered at 3½d. per lb.

LEMON OIL is easier at from 4s. 9d. to 4s. 10d. per lb. on the spot, and at 4s. 1d. c.i.f. for new crop.

LEMONGRASS OIL.—The spot value is about 2¾d. per oz.

LIME-JUICE.—The value of fine pale raw Dominican juice is well maintained, but the bulk of the stuff on offer is only middling quality.

LINSEED is firm at 50s. to 55s. per quarter for good clean qualities.

MENTHOL.—Small spot sales have been made at 10s. 9d. to 11s.; to arrive, further sales of Suzuki have been made at 8s. per lb. c.i.f., and oil at 2s. 9d. c.i.f. for January-March shipment.

MILK-SUGAR is a temporarily easier market at from 77s. 6d. to 80s. for finest white B.P. powder.

MINT OIL.—Sales of over 100 cases are reported this week at from 3s. 4d. to 3s. 6d. per lb. spot, and at the close the higher price has been refused. Practically all the cheap sellers have cleared.

MORPHINE.—Dearer; makers on Wednesday quoted 13s. per oz. for hydrochloride powder, and this price has since been paid.

OILS (FIXED).—*Linseed* is firm at 24s. 9d. in pipes and 25s. 3d. in barrels on spot. *Coconut* oil is dearer, at 50s. for Ceylon and 58s. for Cochin on spot; London-pressed for November-December delivery is 42s. *Cottonseed* is quiet at 25s. 3d. for crude in pipes on spot; pale refined in pipes on spot is 25s., sweet in barrels 30s., and American sweet p.s.y. 30s. net ex wharf. *Rape* is unchanged at 31s. for ordinary brown crude, and at 34s. 3d. for English refined in barrels. *Lagos Palm* is steady at 29s. 6d. in Liverpool. *Turpentine* is dearer on the week, closing at 35s. 7½d. for American on the spot, and January-April at 36s. 1½d.; French is quoted 35s. 6d., ordinary and rectified Russian 30s. to 33s. per cwt. *Petroleum* is 7½d. for ordinary refined American, 8½d. for water-white, and 8½d. for Russian on spot. Manchurian *Soya* in cases is 21s. 6d. c.i.f. for December-January. *Neat's-foot* oil is quoted 2s. 10d. to 3s. 10d. per gal.; ground *Nut* oil, 37s. 6d. to 50s. per cwt.; *Lard* oil, 41s. 6d. to 58s. 6d. per cwt.; *Seal* oil, 19l. to 27l. per tun; *Whale*, 19l. to 24l.; bright *Sperm*, 29l. to 34l.; *Cod*, 19l. to 24l.—all per tun.

OLIVE OIL continues very firm, with B.P. quality offering at about 4s. 9d. to 5s. per gal. on the spot.

OPIMUM.—Turkish is again dearer, up to 28s. per lb. having been paid for 11-per-cent. test, at which sellers only part with retail lots. Soft shipping is extremely scarce, holders asking 30s. for 12½-per-cent. Consumers are naturally falling back on Persian, which is quoted at from 16s. to 22s., according to test.

Reporting for the week ended October 16, a Smyrna correspondent writes that the sales amount to 60 cases extra Karahissar 11-per-cent. at 18s. 6d. per lb. c.i.f. Market, however, has strengthened owing to the small available stock, which is daily lessening. The arrivals in Smyrna are 1,235 cases, against 3,389 cases at the same date last year.

ORANGE OIL.—To arrive, sweet is quoted 6s. 8d. c.i.f., and spot 7s. per lb.

PEPPER remains firm and unchanged at 6½d. per lb. for fair *black* Singapore, 6½d. for fair *Tellicherry*, and 6½d. for fair *Lampong*, rather buyers; to arrive, Singapore for November-December shipment is quoted 5¾d. c.i.f. d.w.

The value of *white* Singapore on spot is 11 $\frac{1}{2}$ d. and fair Muntok 1s. 0 $\frac{1}{2}$ d. per lb. sellers; November-December and December-January shipment of Singapore is quoted 9 $\frac{1}{2}$ d. c.i.f. d.w.

PEPPERMINT OIL.—American tin oil is firmer, with sellers of best brands at from 6s. 9d. to 7s. net on spot, with business at both prices; forward shipment is offered at 6s. to 6s. 3d., according to quantity and brand; H.G.H. remains unaltered at 12s. 6d. London terms.

PHENACETIN has shown a revival in demand, the value being fully 6s. per lb.

PHENAZONE has been in improved demand, and is offered at 9s. 6d. per lb. on the spot.

PIMENTO.—Spot sellers quote 2 $\frac{1}{2}$ d. per lb. and 16s. 6d. per cwt. c.i.f.

QUICKSILVER.—Second-hand holders quote 11 $\frac{1}{2}$ 5s. per bottle, with very little offered. It is stated that Italy has prohibited the export.

RESORCIN has been in good demand, and the recent small arrivals are quickly absorbed; sales have been made at 5s. 9d. to 6s. per lb., and to arrive 6s. is quoted.

ROSIN.—Finest pale is quoted 12s. 6d. to 14s. 6d., French virgin 9s. to 13s. 6d., fine to very fine 11s. to 13s. 6d., and dark to good 8s. 6d. to 11s. per cwt.

SALICYLATES remain firm, with American-made offered at about 4s. 6d. for *acid* and 5s. 3d. for *sodium*.

SALOL is searce, with a limited quantity obtainable at 4s. 6d. per lb.

SHELLAC.—Quiet, with spot prices slightly easier at from 60s. to 61s. per cwt. for the usual standard TN orange. Futures for December delivery have been sold at 60s. and buyers.

SODA HYPOSULPHITE has been selling in ton lots and over at from 10 $\frac{1}{2}$ 10s. to 11 $\frac{1}{2}$ per ton for pea-crystals.

SOY.—Business is of quite a retail character, values showing no change.

SQUILL.—Current spot values are good white 23s., fair ditto 22s. 6d., and off colour 17s. per cwt.

SULPHONAL.—The value is about 11s. per lb.

TANNIC ACID is quoted at 4s. 6d. per lb.

TARTARIC ACID is steady at 1s. 6d. to 1s. 6 $\frac{1}{2}$ d. per lb.

TOLUOL has further advanced to 2s. 6d. to 2s. 8d. per gal. naked for 90-per-cent. in London.

WAX, BEES'.—Practically all descriptions are plentiful, with a quiet market. East African is quoted 7 $\frac{1}{2}$ 10s.; bleached Calcutta, 8 $\frac{1}{2}$ 12s. 6d. to 8 $\frac{1}{2}$ 15s.; East Indian unbleached, 7 $\frac{1}{2}$ to 7 $\frac{1}{2}$ 5s.; Jamaica, 9 $\frac{1}{2}$; and Gambia (Liverpool), 8 $\frac{1}{2}$ 7s. 6d. to 8 $\frac{1}{2}$ 10s. Good orange Spanish has been sold at 8 $\frac{1}{2}$ 7s. 6d. per cwt.

The Week's Arrivals.

During the period November 19 to 25, inclusive, the following drugs, chemicals, and allied produce have arrived at the principal English ports. Where not stated, the figures denote packages:

Acetic acid (Rotterdam) djhs.	Citronella oil (Java) drms. 15
160, blns. 17, cbs. 140	Cloves (Zanzibar) bls. 2,600
Almonds (Marseilles) 51,	Cocchineal (Teneriffe) 37
(Valencia) 242, (Barcelona)	Cocunut oil (Sourabaya) bls.
100, (Tarragona) 830, (Denia)	381, (Holland) cks. 111,
357, (Almeria) 255, (Malaga)	(Cochin) pps. 57, (Ceylon)
3,259, (Farc) 627, (Alicante)	pps. 92, pns. 14, hds. 12
640	Cod-liver oil (Bergen) bls. 269,
Ammon. nit. (Skien) cks. 200	(Aalesund) 430, (New York)
Aniline dyes, colours, etc.	20
(Genoa) pkgs. 268, (Rotter-	Cream of tartar (Marseilles)
dam) 33, (Bordeaux) cks. 61	cks. 11, (Bordeaux) cks. 15
Antimony cr. (Shanghai) cs.	Dragon's-blood (Singapore) cs.
2,950	19
Apricot kernels (Shanghai) 275	Drugs (France) pkgs. 90
Argol (Barcelona) cks. 44	Dyewood extract (New York)
Barytes carb. (Rotterdam) 50	cks. 95
Belindonna leaves (Rotterdam)	Epsom salt (Philadelphia)
bls. 80	bls. 26
Benzoin (Penang) cs. 44	Eucalyptus oil (Melbourne) cs.
Bleaching-powder (Rotterdam)	192
cks. 57	Farina (Holland) 1,400
Borax (Rosario) bgs. 3,115	Formic acid (Rotterdam) cbs.
Calcium carbide (Gothenburg)	46
3,455, (Christiania) 2,100,	Gallie acid (Genoa) bls. 21
(Bergen) 1,850	Geranium oil (Algiers) cs. 4
Canary-seed (Spain) bgs. 855	Ginger (H. Kong) cks. 600, cs.
Caraway-seed (Holland) 307	1,425
Carbon black (New York) 100	Glucose (New York) 70
Cardamoms (Bombay) 21	Glycerin (Rotterdam) cks. 75
Casein (Stavanger) bgs. 191,	Gum copal (Singapore) 79
(La Pallice) 87, (Charente)	Gum damar (Java) cs. 200
327	Gums unannm. (Amsterdam)
Chemical products (Genoa)	66, (Bordeaux) 220
pkgs. 36, (Rotterdam) cs. 55,	Herbs (Suez) bls. 14
pkgs. 34, (Dunkirk) 94	Honey (New York) bls. 23,
Cinchona (Java) 376	(Australian) cs. 43

Linseed (Calcutta) bgs. 4,092,	Potash ovalate (Sweden) kegs
(Rosario) bgs. 50,628	40
Liquorice-juice (Catania) cs. 68	Quebracho ext. (S. Amer.) bgs.
Liquorice-paste (Philadelphia)	4,000
cs. 60	Quinine (Amsterdam) cs. 15
Lithopone (Rotterdam) cks.	Rape-seed oil (Kobe) cs. 2,000
460, (U.S.A.) 60	Rhubarb (Shanghai) 13
Madder (Rotterdam) cks. 6	Saccharin (Rotterdam) cks. 6
Magnesia (Amsterdam) bgs. 40	Saltpetre (New York) bgs. 600
Magnes. chlor. (Rotterdam)	Shellac, etc. (Calcutta) 890
cks. 317, dms. 40	Sodium carb. (Sweden) 156
Medicines (Genoa) cs. 12, (New	Sodium hypo. (Philadelphia)
York) cs. 6,435	brls. 116
Mineral-waters (Genoa) cts.	Sodium nitrate (Skien) bgs.
165	1,500
Nut oil (Rotterdam) cks. 153,	Sodium phosphate (New York)
dms. 22	brls. 32
Olive oil (Genoa) cs. 24, (Bor-	Sodium prussiate (Genoa) cks.
deaux) cks. 320, cs. 80, (Leg-	32
horn) 40, (Malaga) bls. 70	Soya-bean oil (Rotterdam)
Oxalic acid (Sweden) 30	cks. 150
Oxygenated water (Genoa)	Soya beans (Vladivostok) bgs.
dms. 40	60,432
Pepper (Batavia) bgs. 800,	Sulphur (Catania) bgs. 2,355,
(Singapore) 2,890	cks. 117, cs. 50, bls. 67
Perfumery (Dieppe) pkgs. 24	Tartar (Barcelona) 93, (Naples)
Potash carb. (Rotterdam)	13
pkgs. 65, (Sweden) 16	Tartaric acid (Genoa) cs. 36,
Potash caustic (Christiania)	cks. 70
cks. 31	Turmeric (Bombay) 223
Potash chlorate (Sweden) 370	Turpentine (Bordeaux) cks. 665
Potash cyanide (Rotterdam)	Vanilla (Bordeaux) cs. 10
cks. 3	Wax, bees' (Oporto) 10, (Cal-
Potash lye (Christiania) dms.	cutta) 41, (Amsterdam) 32
85	Yellow berries (Alexandria)
Potash muriate (New York)	bgs. 69
bgs. 2,000	Zinc oxide (Rotterdam) cks.
	1,108

Manchester Chemical Market.

November 24.

There have been fair attendances during the month on the chemical side of the Exchange, and the close showed an improved feeling all round. The principal feature of the month has been the consummation of the contract season in heavy chemicals on home account over the next twelve months or even longer periods. Prices do not show much advance in this direction, especially in regard to bleaching-powder, but whether longer periods than over next year are justified remains to be seen. It would appear that contracts for coal slack, an important item of production, are being made at lower prices, and this may be the reason why there is practically no change. Sulphate of copper has not shown much change during the month, but closes in sellers' favour, owing to the advance in the raw metal, at 19 $\frac{1}{2}$ 17s. 6d. to 20 $\frac{1}{2}$ per ton delivered Manchester, with about 5s. per ton more asked for near delivery. White powdered arsenic remains steady on spot. Grey acetate of lime, 80-per-cent., rules high, with not much offering. Cream of tartar has been variable, and nominal generally. Acids show a downward tendency, although there is not much change to note, except that citric is offering at much lower prices. Coal-tar products remain steady. Sulphate of ammonia closed firm at about 5s. per ton higher. Carbolic acid and benzols close steady.

Linseed Oil.

Since the outbreak of war the position has been rather sorely tried by a severe break in prices down to 19 $\frac{1}{2}$ 15s. per ton for spot oil in barrels. Now, however, the outlook is more settled, and traders are alive to the possibilities of the market, since the large excess of spot supplies, both of seed and of oil, appears to be well under control. The financing of this excess during September was somewhat troublesome, and market conditions, in the absence of support from crushers, were severely depressed. The position was complicated by the fact that big quantities of seed originally intended for the Continent were diverted to home ports. The progress of European consumption has undoubtedly been much interfered with by the clash of arms, but the trade demand has within the last few weeks been considerably stimulated by the low level of prices, and a recovery of several pounds per ton ensued in the value of oil. The most striking feature has been the keen demand for prompt delivery, an indication that consumers are rather badly in need of fresh supplies; and this, coupled with the fact that the large stocks in public warehouses are chiefly held on American account, has rendered the market very sensitive. The forward demand (*i.e.*, contracts into the early months of the coming year) has developed on a larger scale, and there are but comparatively few sellers for the time being at a considerable premium over spot oil. All things considered, current values are intrinsically low, while sentiment is now largely influenced by the question of future supplies of raw material, which are expected to be light. For one thing, the present price is not calculated

to encourage cultivation in India, where, in fact, the area is expected to be rather lighter, as the high prices ruling for wheat should induce growers to devote more attention to this cereal. While there are still large spot supplies of seed to be digested, the fact cannot be ignored that the shipments from India and the River Plate will continue very light over this and the next two months. Meanwhile the quantities afloat have become very small compared with this time last year. The American outlook, moreover, has assumed considerable strength, and there is no doubt that American crushers will require considerable quantities of Argentine and Indian seed in order to make up for the much smaller North American crops. The Canadian yield, according to official returns, amounts to 188,000 tons, against 438,475 tons last season. Including the United States crop, the total yield of the North American crops this year is about 613,000 tons, which shows a deficit of about 270,000 tons against last year and 740,000 tons against 1912.

Japanese Vegetable Wax.

The Acting British Consul at Shimonoseki reports that the production of vegetable wax is one of the most important industries of Japan. Of late years, however, the price of tree-seeds and the cost of labour have been gradually rising; in addition, the value of vegetable wax has been declining owing to the importation of paraffin wax and Chinese wax. The trees are also grown less extensively than formerly. Vegetable wax is produced chiefly in the Prefectures of Fukuoka, Saga, Oita, and Ehime, although the greater part of the refining is done in the Prefecture of Hyogo. The total production during 1912 was 1,770,161 kwan of unbleached, of which 1,309,628 kwan was refined (kwan = 3.26 lb.). The unbleached wax is used largely in Japan for candle-manufacture, and the discovery of a cheaper substitute in the form of paraffin wax has greatly lessened the production of the vegetable wax. Germany is one of Japan's best customers, but will be unable to take her usual supply, and there will probably be a large decrease in the exports for 1914. Inquiries are being received from the United States, while exports to Europe, other than Germany, will no doubt soon be recommenced.

NETHERLANDS NOTES.

Export Prohibition.—Recent decrees published in the "Staatscourant" prohibit the exportation of calcium acetate, cacao-beans, saltpetre, sodium nitrate, and nitrolin.

Cholera Precautions.—Official notices have been published regarding the precautions to be taken against Asiatic cholera. These are similar to those against plague (*C. & D.*, November 7, p. 38).

Proposed War-tax.—In further reference to the proposed duty of 8 per cent. on exports, we learn that the Bill has not been favourably received by the political Press. The present Ministry has, however, handled the crisis well, and on this ground the Bill may go through.

Facilitating Importation.—It is proposed to found a company, with a capital of one and a half million guilders, on behalf of Dutch importers, whose business will be to facilitate the importation of goods which are treated as contraband between belligerent nations. The chief navigation companies are promoting the company, and will work with the existing Dutch Trade Committee. One important part of the organisation will make inquiries to satisfy the company that the goods imported are not to be passed on to countries that are at war.

NEWMAN HULME, chemist, 39 Walmersley Road, Bury, has agreed to execute a deed of assignment, with Mr. P. S. Booth (Association of Manufacturing Chemists, Ltd.) as trustee. The creditors include Allen & Hanburys, Ltd. (71.); Ayton, Saunders & Co., Ltd. (69.); Brooke, Parker & Co., Ltd. (181.); Baiss Bros. & Stevenson, Ltd. (61.); Bleasdales, Ltd. (261.); Bourne, Johnson & Latimer (57.); Blake & Mackenzie (101.); Burroughs Wellcome & Co. (41.); Cupal, Ltd. (161.); Clay, Dod & Co., Ltd. (1511.); Duncan, Floekhart & Co. (71.); Eucryl, Ltd. (291.); Evans Sons Lescher & Webb, Ltd. (321.); D. & W. Gibbs, Ltd. (81.); Hirst, Brooke & Hirst (401.); Hough, Hoseason & Co. (131.); Heap & Sons (61.); T. Kerfoot & Co (51.); Liebig's Wine Co. (61.); Lorimer-Marshall, Ltd. (101.); McClintock, Ltd. (31.); F. Newbery & Sons (221.); Parke, Davis & Co. (111.); Potter & Clarke, Ltd. (181.); Sumner & Co., Ltd. (241.); A. Wander, Ltd. (51.).



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "the Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

The Dark Side Brightly Expressed.

SIR.—My bankers cannot understand how any set of intelligent business men can conduct business on the lines the Insurance Committees adopt. They talk about childlessness and rank inefficiency.

My solicitor advises me to go bankrupt, and engage an eminent barrister—with a sound knowledge of pharmacy law and a Parliamentary experience—to meet my creditors. My doctor talks about hyoscyne injections and amylene hydrate (dispensed by himself).

I am quite happy. I am a modern philanthropist. I am financing the wealthiest Government in the whole world.

I am a

Stepney, E., November 25. STATE CHEMIST. (176/74.)

A Warning to Glamorganshire Panel Chemists.

SIR.—I should like to call the attention of the chemists in the above county, through your valuable paper, to the extremely deplorable condition of the Drug Fund. At the last meeting of the Finance Committee it was decided not to pay the chemists' bills for National Insurance work after the August-September account. This means the Drug Fund has been almost exhausted, and there will be no money to pay us for the last four months of the year—a discounting of 3½ per cent. Is it worth our while to remain on the panel? Where are our leaders and where is the "spirit of the Act"? A COLLIERY DISTRICT CHEMIST. (67/12.)

The War Cry.

SIR.—I am glad to see the letter from "Worried London," and let me say that there are hundreds in the same predicament, finding capital for the Government at no interest or security. My war cry is:

Don't sign on for 1915 till all accounts that are rendered to and inclusive of November 30, 1914, are paid in full, and see that the new agreement states that 20s. in the pound will be paid for all work done and goods supplied.

Why should the slave of a chemist be on the mat morning, noon, and night, and at meal-times, to work for less than nothing? Let us wake up and show a little combined spirit, and resist the growing impositions on our generous and self-sacrificing nature, before we are crushed to death.

Yours truly,

FRANK W. BENNETT.

P.S.—One naturally inquires: If there is no advantage obtained from Insurance dispensing, why fight for a reasonable agreement?

49 I.C.

Cutting the Garment according to the Cloth.

When you find that the funds, which are furnished to meet The medical needs of the man in the street, Are far from sufficient to foot all the bills

For lotions and potions and plasters and pills, Some subtle provision your brains must devise;

But remember the adage we get from the wise: "When cutting the cloth its size you should note:

It may make cravats, if it won't make a coat."

Then make up in bulk, as the doctor desires,

The phisic the sick panel patient requires;

Have stock mixtures ready for filling "Rep. mist."

And cut down the pay of the pharmacist.

It may be the poor panel patient will quarrel

With phisic that's drawn by a tap from the barrel;

But are we not told that there's nothing so good

As liquor that's old, and is drawn from the wood?

F. A. S. (174/61.)

"A Line of Catchwords."

SIR,—For all that "Xrayser II." honours me with a witty rejoinder I cannot think that he proves anything. Perhaps, indeed, in a rhetorical sense he has done better. Flinging down a few bold assertions and strutting up a line of catchwords, he seems to know how, alas! the English reader may most readily be birdlimed. He says, "[Mr. Owen's plan] is open to two objections, each of them fatal." Shoo! and away goes my case as if it had been a snut which had had the temerity to settle upon his MS.! Agreement upon a new Tariff between chemists and doctors would be the agreement "probably" of the toad with the harrow. Rhetorically that is an excellent point; it is "smart"; but for purposes of argument it stands for nothing. Has all "Xrayser's" experience passed over him without awakening him to the facts that life is full of compromise, and that every compromise is an agreement (not "probably," but surely) of the toad with the harrow? Again, he asserts that my plan would "lower the status of the pharmacist from that of State dispenser to that of dispenser to the doctors." This is a false antithesis. For has "Xrayser" been so long in the pharmaceutical world without discovering that we are "dispensers to doctors" all the time; that our sole function (as dispensers) is to carry out the commands of the doctors, only such initiative being allowed us as makes for the carrying-out of such commands with maximum efficiency? That the dispenser is the servant of the doctor is a truth it were well all chemists should grasp without delay. Then "Xrayser" thinks to make our flesh creep by conjuring up again visions of the stock mixture—admissible, I confess, on my plan. Is he not aware that stock mixtures, unless prescribed excessively through laziness or incapacity, are inevitable and perfectly justifiable; that so long as flesh is heir to standard ills standard remedies will continue to find their way into the human interior; that while "stock" pills, plasters, tablets, ointments, liniments, powders, and pastilles are acknowledged even by pharmacists as permanent institutions, it is puerile to attempt to expatriate the stock mixture?

Again, what I have ventured to suggest would "expose the patient to the worst evils of the old club practice." So we were all told to say, referring to "49 I.C." in an official communication. This sullen, pretended solicitude for the poor patient is, I venture to say, a piece of hypocrisy which will deceive nobody, and it would be saying more for our honesty, as well as for our tactical ability, if we made our objection to the stock mixture a matter of finance merely and dropped the melodramatic posture of taking the insured person under our beneficent wing. Moreover, the patient's welfare is primarily the doctor's affair, and ours only to the extent of obeying the doctor's will. Finally, says "Xrayser," "if extravagant prescribing make discounting a necessity, the person discounted shall be the prescriber himself; the point . . . needs only the stroke of the pen." The pen presupposes paper, but carries one no further than to a paper constitution; and the plan of discounting the doctor, except in the manner I suggested, though beautiful on paper, is far, very far, distant from practical politics, which leads me to remark, in the last place, that chemists in general, and "Xrayser" along with them, will do well to look all round the problems raised by the Insurance Act, endeavouring to see them not simply from a petty pharmaceutical standpoint, but also from the doctor's point of view, and from the insured person's and the approved society's, and—most important of all—from the State's; for the nation whose exchequer would pour out pelf in a liberal stream simply at the bidding of a section of the community (as the pharmaceutical) would be in a sorry condition, and of the two I would prefer that pharmacy rather than my country should suffer.

Very faithfully yours,

R. CECIL OWEN.

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

The Utility of Addressed Envelopes.

Mr. H. B. Lloyd (Cheltenham) suggests, without claiming novelty for the idea, that each wholesale house should enclose an addressed envelope with its monthly statement. Many pharmacists would greatly appreciate this little help, which, he adds, is already given by Allen & Hanburys, Ltd., Ashton & Parsons, Ltd., Wright, Layman & Umney, Ltd., and A. & F. Pears, Ltd.; the last-named company even stamps the envelope.

"Boosting" Sales: A Warning.

A London Chemist (176, 7) informs us that he and others have been favoured by a visit from a well-dressed woman,

who asked for "— compound," giving a name and address where it was to be sent. After specially procuring the small packet (27s. the doz.), our correspondent tried to get the customer at place stated, only to discover the name and address to be fictitious. Chemists are therefore advised to be on their guard. There is neither name nor address of any firm given on the packet.

Genera and other Red Crosses.

A Subscriber (175/34) in London had a visit from a policeman this week, who took a packet of boric acid as put up by Borax Consolidated, Ltd., which bears a red cross. Subsequently he was officially warned to discontinue using the red cross. This is a mistake on the part of the police. Borax Consolidated, Ltd., inform us that the Geneva Red Cross is not now used on their envelopes, "the War Office authorities having given their consent to the sale of those envelopes issued by the company bearing a St. George's Cross."

Chloroform, B.P.

"In the British Pharmacopœia (1914) chloroform is described as having 'specific gravity 1.483 to 1.487,' and in regard to boiling-point 'does not begin to boil below 60°.' The 1893 Pharmacopœia gives the sp. gr. 1.490 to 1.495, and the boiling-point 60° to 62°. When the 1893 edition was produced some doubts were expressed as to whether it was advisable to reduce the sp. gr. to so low a figure as 1.490, and now we have it, for some occult reason, reduced to 1.483. It will surely be admitted that no more alcohol ought to be added than is necessary for preservative effect. Quite certainly that is covered by the sp. gr. 1.490. Medicinal chloroform containing alcohol does begin to boil below 60°. A small percentage distils between 59° and 60°, and the whole distils just under 62°. The great bulk distils between 60° and 61.6°. It is a curious notion to give no upward limit, and no indication of the degree at which the mass of the liquid should distil."—D. (173/77).

Off-licence Holders.

M. P. S. (231/14) writes: "The order issued by the Magistrates of some of the large provincial cities, which is awaiting the sanction of the Home Office, is likely to affect very seriously chemists who are holders of wine and spirit licences. In many cases the hours of supplying alcohol are reduced to 9.30 and 10 P.M., but what is more likely to cause annoyance is the order that forbids the supply to women before 11.30 A.M.; the order only applies to the supply, not to the hours of closing. This brings up the question whether a chemist who is an off-licence holder is entitled to supply other goods during the hours which the law forbids alcoholic drink to be supplied."

[So long as the alcoholic liquors are not exposed for sale in the retail department of the premises and are not sold therein during the prohibited hours, the sale of other goods is lawful.—EDITOR C. & D.]

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to difficulties of compounding. We welcome fresh problems for experiment and elucidation in this column, and invite the co-operation and correspondence of dispensers.

Resorcin Combinations.

Warwick (38/15) wants to know if any reaction occurs between resorcin and paroline. [No.] Also, would the addition to oleic acid and resorcin of boric or salicylic acid result in chemical combination? [We have not observed any change in such combinations, and it is difficult to say what may result in alkaline mixtures containing resorcin; but the changes that may occur in feebly acid media, such as the above, are negligible.]

A Difficult Ointment.

R. W. (156/53) wants to know how the following should be compounded:

Sulphur, præcip.	...	...	...	3j.
Lanolini	...	...	...	3iiss.
Glycerini	...	...	...	3iiss.
Aquæ rosæ	...	...	...	3iiss.
Misce.				

[Rub down the lanoline with the sulphur in a warm mortar, and add gradually, with careful trituration, the glycerin and rose-water, previously mixed. If "R. W." has experienced difficulty in preparing this ointment, his lanoline may have been "watery." In such case the operations will be facilitated by part of it being replaced by an equivalent weight of anhydrous lanoline.]

Zinc-and-Calamine Lotion.

J. C. (164/72) submits the following:

Zinci oxidi	5iiss.
Calamin. præp.	5iiss.
Liq. carbonis deterg.	5iij.
Lanolini	5iiss.
Ol. olivæ	mxv.
Aq. calcis	5ij.

Misce.

[The small quantity of lime soap formed by the olive oil and lime-water, owing to its insolubility in an aqueous medium, puts this lotion out of gear. The medicinal effect of the olive oil would be so trivial that this ingredient may very well be left out of the lotion. Place the zinc oxide, calamine, liq. carb. deterg., and lanoline in a mortar, triturate well together, and gradually the lime-water, maintaining steady rubbing while it is being introduced.]

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 469-499.

Salol (67/2).—The label does not make the compound syrup of hypophosphites liable to medicine stamp-duty.

J. S. (63/7).—The use in trade of a white cross on a black ground is not prohibited by the Geneva Convention Act, 1911, even though it be shaped like the Geneva Cross.

F. W. G. (173/7).—No particular form of metric weights is prescribed by law. Those that you have may be used, provided they are passed and stamped by the local inspector of weights and measures.

Merriam (159/36).—A registered druggist may use the descriptions you mention, but he may not compound the prescriptions of a veterinary surgeon if they are medical prescriptions. Prescriptions may be in regard to many things besides medicine—e.g., exercise and food.

Jacobus (168/16).—A three-years' medical dispenser who manages a drug-store branch for a chemist, and dispenses there any Insurance prescription containing poison, becomes liable to prosecution under Section 15 of the Pharmacy Act, 1868, and his employer is also liable to prosecution for keeping open shop for the dispensing and sale of poisons contrary to that section and the Poisons and Pharmacy Act, 1908. Immediately poisons are dispensed or sold in such a branch it ought to be conducted in accordance with Section 3 of the 1908 Act. There is nothing in the Pharmacy Acts to prevent prescriptions being sent from a drug-store branch to the head shop for dispensing, but such a course would not conform with the Insurance Act agreement as regards branch shops.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

W. R. (144/67).—**DRY-SHAMPOO LIQUID.**—See C. & D., July 5, 1913, p. 68, or March 16, 1912, p. 64.

A *Sergeant of the R.A.M.C.* (166/73), who joined the Corps, is getting 4s. 2d. per day, made up as follows: 2s. 8d. sergeant's pay, 1s. Corps pay, and 6d. dispensing pay. He joined three weeks before he wrote, thinking that 6s. per day was the rate. [No; the higher pay was for 150 chemists' assistants and others engaged when the war broke out. The Army authorities got applications from many more, and have not since wanted any at the special rate. We have notified this fact repeatedly.]

C. F. (171/8).—You will find a list of STOCK DISPENSING SOLUTIONS in "The Art of Dispensing," p. 56, where it is stated that "solids for any quantity in ounces should be taken by apothecaries' weight—that is, 480 grains. For example, sol. ammon. brom. 1 in 4 means 480 grains ammon. brom. in 4 fluid ounces of the solution." This dispensing rule differs from the rule followed in making solu-

tions for analytical purposes, because in the case of dispensing the minim is the liquid unit, while in analysis the liquid unit and weight unit are relatively the same—1 c.c. and 1 gram. Some percentage solutions are also made weight by weight, but what you want is a solution of iodine 1 in 2, in which case you take 480 grains of iodine (1 avoirdupois oz. 42½ grains) and sufficient potassium iodide (about a fourth less), and dissolve in distilled water to make 2 fluid oz. of solution.

A. L. H. (149/4).—**FRENCH MUSTARD.**—The following formulæ have been published in the C. & D., and represent the two processes of manufacture:

1.	2.
Salt 2 oz.	Parsley 4 oz.
Sugar 2 oz.	Watercress 4 oz.
Powdered anise ... 2 dr.	Shallots 3 oz.
Powdered einna- mon 2 dr.	Celery-seed 3 oz.
Powdered fœnu- greek 1 dr.	Cinnamon ½ oz.
Worcester sauce ... 1 oz.	Cloves ¼ oz.
Tarragon vinegar... 1 oz.	Nutmeg ½ oz.
Mustard-flour ... 1 lb.	Pepper ¼ oz.
Vinegar a sufficiency to make a thick cream.	

Grind these ingredients fine and macerate in 1 gal. of vinegar for a month, then mix with—

Mustard-flour ... 10 lb.
Salt 4 oz.
Olive oil 3 oz.

The stiff mass is reduced with vinegar to the proper consistency.

Sussex (141/114) wants to know if he can light a window 5 ft. by 2 ft. with an ordinary 16-c.p. lamp and an accumulator. He wants to make a show for Christmas about three hours a night. [The cubical dimensions of the window should have been given, but assuming that it is 5 ft. high by 2 ft. long and about as deep as it is long, 16 c.p. should be sufficient to give a good light. An accumulator of at least four cells, preferably six or eight, will be necessary, using a drawn-wire filament lamp. With a four-cell battery the capacity required would be twenty-five ampere hours for a light of about three hours per night, charging twice a week, and with such a battery we would recommend the use of two lamps of 8 c.p. each, rather than one of 16 c.p. If, on the other hand, the window is 5 ft. long by 2 ft. deep and, say, 5 ft. high, at least two 16-c.p. lamps would be required. With regard to the lighting, Holophane shades increase the downward illumination by about 100 per cent., and the best effect will be obtained by using light material in dressing, with the lamps above hidden from the eyes of an outside observer and shining straight downwards.]

J. K. (159/39).—**COLOURING AN ACID SYRUP YELLOW.**—For this purpose annatto, aniline orange, or naphthol yellow may be employed. A few experiments will show which is the most suitable for your purpose.

O. I. C. (174/43).—**BOTTLE-CAPPING MIXTURE.**—See C. & D., May 10, 1913, p. 69.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1854.

Manna of the Larch-tree.

We have received the following note from our esteemed contributor Mr. J. C. Braithwaite:

October 16, 1864.

DEAR SIR,—In your able report on the doings of the Pharmaceutical Conference last month I notice that Mr. D. Hanbury exhibited a specimen of larch manna, which he had obtained during a holiday excursion in France; and that, in reply to a question put to him by Mr. T. B. Groves, of Weymouth, he stated "he was unable to say whether the manna found at Briançon had ever been observed on larch-trees growing in England." In the session 1847-1848 I was a student at the Pharmaceutical Society, and the fact of manna being produced by the larch was mentioned by the late Dr. Pereira during his course of lectures on *Materia Medica*. During the vacation at the end of the session, when one day out shooting on my father's estate, near Hereford, I passed through a small plantation of larch-trees; and, calling to mind Dr. Pereira's statement, I commenced examining them, and on some five or six discovered an exudation, which had a sweetish taste and corresponded closely to the description given of the Briançon specimen by Mr. Hanbury. I thought little of the circumstance at the time, and did not deem it worthy of notice, but as Mr. Groves has put the question the fact may be worthy of record.

Yours very truly,

J. C. BRAITHWAITE.

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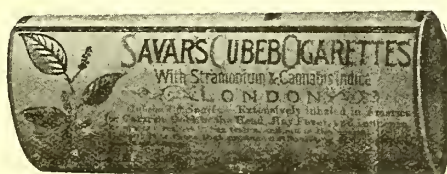
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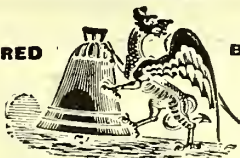
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The above may be had in ½-lb., 1-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.
Each Bottle has the Inventor's Protection Label over the Cork, without which none are genuine.

PURE ORANGE WINE

(VINUM AURANTII, B.P. 1898).

Samples of any of the above, sent free on application.

HELICON

is the name for British-manufactured Acetylsalicylic Acid, the drug as well as the tablets being made in England. The German product is known as Aspirin. Helicon is guaranteed physiologically pure, and is extensively prescribed by doctors in their private and hospital practice. Helicon is officially recognised in the Extra Pharmacopœia and in the Journal of the Society of Chemical Industry as the synonym for British Acetylsalicylic Acid. Patriotic chemists should note that when they supply Helicon, they may be absolutely certain they are supplying the British product, and are not by any possibility helping the German enemy by their purchases.

On the P.A.T.A.

Keep a good supply of Helicon on hand, as the demand is steadily growing. Helicon is obtainable through the usual channels in bottles of 25 and 100 5-gr. tablets, at 8/6 and 25/6 per dozen. Also in 1 oz. and 8 oz. bottles in powder form for prescribing. Helicon is on the P.A.T.A., and gives a 40% profit to the retailer. The Castle Laboratory, London, N.W.

THERMOS LIMITED beg to notify to the trade that they are now selling



THERMOS FLASKS

Manufactured
exclusively and
entirely in the
United States
of America,
and which retail
from 8/9 upwards.

Price List sent on application.

THERMOS LIMITED,
8 Long Lane, Aldersgate Street, London, E.C.

SPECIAL BONUS TERMS

are now offered to
retail Chemists willing
to maintain fixed sell-
ing prices and grant
facilities (window
displays, &c.) for
advertising

MOTHER SEIGEL'S SYRUP.

Full particulars will be sent on application to

A. J. WHITE, LTD.
35 FARRINGDON ROAD, LONDON, E.C.

Fred^k Boehm

LIMITED,
LONDON.

Established
1888

Incorporated
1908



WE CAN NOW OFFER
THE FOLLOWING:—

ACID BENZOIC FROM TOLUOL

APIOL FLUID GREEN

CHLOROPHYLL

DIASTASE OF MALT

EPSOM SALTS, P.B., & U.S.P.

HYDROQUINONE

RESORCIN

SALOL

SANTONIN

SODIUM SALICYLATE.

Also the chief Pharma-
ceutical Chemicals as
previously advertised.

16, JEWRY STREET, E.C.

1844

1914

THOMAS TYRER & Co.

Sterling Brand

STRATFORD, LONDON, E.

GRAND PRIZE, LONDON, 1909
GOLD MEDAL, ST. LOUIS, 1904

Acids, Hydrochloric, Nitric,
Phosphoric, Sulphuric,
PURE & TECHNICAL.

CHEMICALS
FOR
HORTICULTURAL
AND
AGRICULTURAL
PURPOSES, &c.

Bismuths, Mercurials,
Hypophosphites, Ethers
and all Technical & Special Chemicals.

OUR SOL 'MAGNESIA BICARB.' CONTAINS NO ARSENIC

OUR REPUTATION YOUR GUARANTEE

INDEX and BUYERS' GUIDE

See pages 5 to 7.

CELTOL[™] British Made.

Antiseptic and Disinfectant.
Is a substitute for Lysol, soluble in water, giving a
clear solution. Uniform throughout.

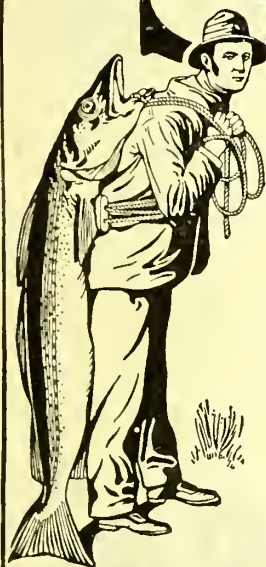
Agents: CELTOL SUPPLY AGENCY,

'Phone:
London Wall
2612.

AUGUST REICHWALD, LTD.

(Established 1872. Entirely British owned
and controlled.)

Finsbury Pavement House, LONDON, E.C.



SCOTT'S EMULSION

**PROTECTED PROFIT. QUICK
SALES—NO BAD STOCK.
REPEAT ORDERS AND
SATISFIED CUSTOMERS**

Never was SCOTT'S Emulsion more widely advertised than at the present moment. The opportunity, to secure a fair share of the season's demand for this preparation, is one that few enterprising pharmacists can afford to neglect.

SCOTT & BOWNE, Ltd., 10-11, Stonecutter St.,
LONDON, E.C.

Why it pays to sell SCOTT'S.

SCOTT'S Emulsion reflects credit on the seller and gives satisfaction to the buyer.

It bears a good protected profit, yet is advertised all over the United Kingdom.

It is the only emulsion with a 37 years' reputation for value and quality.

It sells quickly on sight—involving little trouble and no losses.

It is one of the few advertised products, costly to manufacture, that yields fair remuneration to the retailer.

Therefore, to sell SCOTT'S not only pays, but encourages the principles of fair trade and good protected profits.



BUY FROM BRITISH SPECIALISTS.

**PILLS=TABLETS=CAPSULES
and COUNTER SPECIALITIES.**

WRITE FOR QUOTATIONS AND SAMPLES.

Regd. Trade Mark.

Help to keep the Flag flying in the MOTHER COUNTRY by ordering from
HOWARD LLOYD & CO., Ltd. *Manufacturing Chemists,*
LEICESTER, ENGLAND.

PETROLEUM JELLY

We are importers of finest American Jelly, Red, Yellow and White. Guaranteed B.P. Inquiries esteemed also for

GUMS. WAXES. DEXTRINE.

W. M. KIDSTON & CO., 29 Mincing Lane, LONDON, E.C.

Telegrams: "KIDSTONISM, FEN, LONDON."

Telephone: No. 12793 Central.

Winter Line

Now is the time to stock

"Owbridge's"

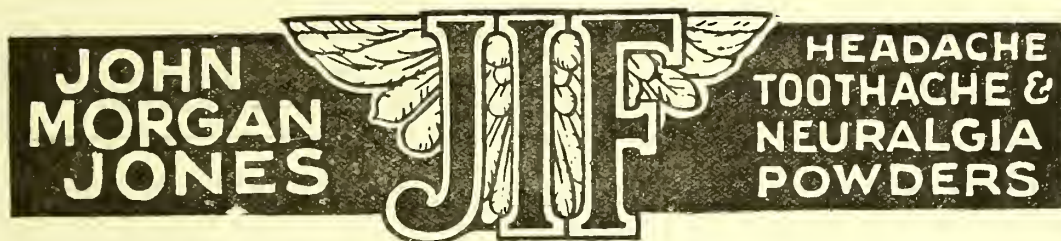
The Original Lung Tonic.

Profit 20% to 25%

For £5 cash we send one
gross carriage paid any-
where in United Kingdom.

Showcards, &c., on receipt of Business Card.

W. T. OWBRIDGE, Ltd., The Laboratory, HULL.



These Powders have had an unbroken record of success in curing Headache, Toothache and Neuralgia. They are guaranteed to be free from Antifebrin and all other injurious chemicals, containing only ingredients from vegetable sources. They can safely be recommended even for children from the age of two years old.

CHEMISTS ARE INVITED TO WRITE
for particulars of our
SPECIAL TERMS

under which a liberal bonus is offered to inaugurate our national scheme to open up sales in every town, supported by special district advertising

J. MORGAN JONES & CO., RHANDIR HOUSE, LLANELLY.

Are You Preparing ? for Christmas . . .

SEASONABLE ADVERTISING NOVELTIES FREE.

Home Retailers of **Beecham's Pills** desirous of obtaining a supply of **Beecham's Family Almanacks** (book containing much useful information), **Card Calendars**, printed in colours, **Beecham's Oracles**, AND OTHER ADVERTISING NOVELTIES, are requested to notify their requirements direct to the Proprietor.

Counter Bills (various sizes) with name and address at foot, can also be procured, but if you have applied for or received a parcel of Counter Bills recently kindly mention the fact when writing, so that the Almanacks, Calendars and Novelties can be dispatched at once, as parcels including Counter Bills cannot be sent under ten days. All Parcels CARRIAGE PAID. Please send name and address in Print.

Address:—PROPRIETOR OF . . .

Beecham's Pills, St. Helens, Lancashire.

From "THE ANTI-CUTTING RECORD."

"IT is now nearly 11 years since the movement which resulted in the formation of the P.A.T.A. was inaugurated. Amongst the first of the fighters for protected profits was Mr. Davenport, the proprietor of **COLLIS BROWNE'S CHLORODYNE**. At a time when the Association had a few supporters and looked rather like being crushed by the opposition which it encountered, Mr. Davenport's assistance came very opportunely, and dealers in Chlorodyne might well bear this fact in mind when selecting a brand to sell to their customers. We think that those who helped to lay the foundation of the P.A.T.A. are entitled to special consideration at the hands of those whom the Association has so much benefited. It should always be remembered that the pioneers ran much heavier risks than those who have come in on the flood-tide after the success of the movement was assured, although of course we are in no sense despising or underrating the importance of more recent converts to the Association, and do not for a moment suggest that they should not be supported. All those proprietors who have stood by the P.A.T.A. through thick and thin ought to be put in an exceptional position in comparison with those who have never done a thing for the trade. If chemists *must* substitute (and it really seems as if some of them can hardly restrain their propensities), surely they might confine their operations to the goods of those makers whose motto is 'Self, and self alone.' We think no fair-minded retailer will, after full reflection seriously blame the P.A.T.A. Council for insisting that substitution must cease when the proprietor loyally does his part."

Purchasers must NOT be asked to sign a Poison Book.

Dr. J. Collis Browne's Chlorodyne

The ORIGINAL and ONLY GENUINE.

"The original Chlorodyne as manufactured from the recipe of Dr. J. Collis Browne is perhaps in greater demand now than it has ever been before. It has been on the P.A.T.A. List since 1897, as readers are no doubt aware. J. T. DAVENPORT, Ltd., 117 Union Street, S.E., have been the sole manufacturers of this article for upwards of forty years."

Pharmaceutical Journal, October 22, 1904.

PRICES AND TERMS.

Size	...	...	...	...	1/1½	...	2/9	...	4/6	...	11/-
Minimum Retail Price	...	...	...	...	1/-	...	2/6	...	4/-	...	10/-
Price to Trade (per dozen)	...	...	...	...	10/-	...	26/-	...	42/-	...	104/-

Discount 5 per cent. on £1 worth, 10 per cent. on £5 worth. Packages charged 3d. on £2 parcels or under, and 1d. for each extra £1 worth, and are not returnable. Carriage forward. Terms: Cash with order. Most Wholesale Houses supply on equal terms.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 28, 1914.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c. **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

PROVIDED THE MONEY IS TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

← That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E.—Well-established Business; situate in the main street; returns £1,242; *net profit* 30 per cent.; full investigation permitted; modern shop, handsomely fitted and well stocked; comfortable house; terms, £100 and valuation of stock and fixtures.

2.—LONDON, S.W.—Good-class Business; situate in residential locality; returns (present rate) about £1,500; vendor, being desirous of selling immediately, will accept a very reasonable sum.

3.—SURREY (Suburban).—Good-class Retail and Dispensing Business; situate in busy main thoroughfare; returns £1,420 at good prices; price £800.

4.—LONDON, S.E.—Special opportunity; for immediate Disposal, middle-class Retail and Dispensing Business; returns under manager about £700; scope for considerable development; price £275.

5.—MIDDLESEX (Good-class Residential Locality).—Retail and Dispensing Business; conducted under management; returns £600, increasing; *net profit* £200; convenient house, private entrance; rent £36; price £350.

6.—WALTHAM GREEN (near).—Ready-money Business; situate in pleasant suburb; well-fitted shop and ample stock; returns average £1,000; *net profit* £500; the business admits of extension; price £750, or valuation of stock and fixtures.

7.—LONDON, N.—Retail and Dispensing Business; situate in shopping thoroughfare; returns between £1,700 and £1,800 per annum; price about £1,100; full investigation invited.

8.—SURREY (Charming Locality).—Good-class Business; returns (present rate) £1,600, gradually increasing; *net profit* about £350; the shop is well fitted and stocked; terms, goodwill £100 and valuation of stock and fixtures.

9.—SUSSEX.—Good-class Business, Retail and Dispensing; returns increase yearly, last year being £860; *net profit* £253; double-fronted shop, well fitted and stocked; main thoroughfare; comfortable residence; price £850.

10.—DEVON (Good-class Watering-place).—Retail and Dispensing Business; returns between £750 and £800 per annum; *net profit* about £225; large residence; held on lease; price £500.

11.—GLAMORGAN (Seaport).—Thoroughly sound Retail and Dispensing Business in busy main thoroughfare; returns £1,500 per annum; capital premises; to effect a speedy sale vendor will accept value of stock and fixtures.

12.—EASTERN COUNTY (Health Resort).—Family Retail and Dispensing Business; no near opposition; steadily increasing; returns about £1,000 at fair prices; rent £50; on lease; good house with private entrance; price £600.

13.—HOME COUNTY.—Unopposed Business, price £430, for immediate Disposal; Dispensing and Family Retail, with appointment; returns £625; *net profit* £241; good house and garden.

14.—SUFFOLK (Death Vacancy).—Old-established Business; much neglected; capable of considerable increase; returns average about £900 yearly; roomy premises, with outhouses; rent £35; valuation of stock and fixtures only required.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Businesses, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.
ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

**GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.**

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£800 returns.—SOUTH COAST.—Good-class Light Retail and Dispensing; well-fitted Pharmacy, with good house, in desirable Winter Resort; price merely valuation, about £400.

£500 returns.—KENT.—Very profitable Light Retail; unlimited scope; payment by instalments could be arranged; price £250.

£600 returns.—MIDLANDS.—Has done over £1,000 and could do again; good residence, garden, etc.; plenty of scope to double returns with Agricultural; price £500.

£1,500 returns.—CAMBRIDGE.—Good Country Retail, with profitable Side-lines; no opposition; increasing and capable of further development; splendid house and garden; low rent; price £875.

£700 returns.—SOUTH YORKSHIRE.—Very profitable Country Business; very few Patents; convenient house; rent £28; price, valuation, about £400.

£1,300 returns.—YORKSHIRE.—High-class Retail and Dispensing in suburb of large town; valuation about £900.

£700 returns.—STAFFORDSHIRE.—Branch; could be greatly increased by personal management; old-established Light Retail; rent low; valuation £300.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by—

BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W.

Tel. No. Victoria 27.

EASTERN COUNTY (Large Town).—Continuously increasing Business; good house, and shop well fitted; low rent; net profit £260; price £340.

VERY best position, large town, S. Wales; vendor by ill-health compelled to retire immediately; returns exceed £1,500; net profit £400; will sell for less than valuation; part purchase can remain; price under £1,000; business very prosperous for many years.

IMMEDIATE Sale: central position, Channel Island; neglected from ill-health; excellent for young man; large house; good shop; no side-lines, but much wanted; price less than valuation, say £350; extreme ill-health sole cause of sale.

The examination of Businesses for Sale or Purchase is made on specially low terms. Parson C. Baker has made a speciality of this, and his long experience in every class of business enables him to give valuable advice and assistance in negotiations.

Valuations, Sale, Probate, or Account. Terms moderate.

THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—HOME COUNTY (25 miles out).—Good-class Light Country Retail, in best position of pleasant market town; returns £1,200, increasing; net profit £350; large house and garden; stock and fixtures worth fully £650; price £800, or near offer; will stand fullest investigation.

2.—SURREY.—High-class Business in first-class residential district; now under manager; was doing £1,400, and can be made do £2,000; in excellent position; handsome modern front, and fully stocked; low rent; price £750, or £100 and valuation; personally inspected and recommended.

3.—LONDON, S.W.—High-class Dispensing and Family Retail Business in first-class residential suburb; splendid position; returns £1,300, increasing; good profits; low rental; handsome pharmacy; price £900 or offer.

4.—SOUTH LONDON.—Good middle-class suburban Business, not on Panel, making a clear net profit of £500 yearly, scope for increase; main road position; excellent stock; same hands many years; retiring; price £1,050.

5.—CHESHIRE.—Good-class Dispensing and Light Retail; over 3,500 private scripts yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house, etc.; price £750.

6.—BIRMINGHAM.—Light Family Retail, Prescribing and Dispensing Business; returns over £1,300; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £650, under valuation.

7.—LINCOLNSHIRE.—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

8.—DERBYSHIRE.—Unopposed Light Village Retail Business; returning £550; net profit £195; books properly kept; good house and shop; low rent; price for quick sale £350, about valuation.

9.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected; returns over £800; net profit about £250; can easily do £1,200; price simply valuation, all over £400 can remain.

10.—SOUTH COAST.—Good-class Retail and Dispensing, with own Proprietaries; net profit £276; attractive shop, well fitted and stocked; large house and garden; same hands many years; price, simply valuation; part can remain.

11.—DEVON COAST.—Good-class Retail and Dispensing Business, increasing; returns nearly £800; good profits; large shop, modern fittings and good stock; price £500, little more than valuation.

12.—LONDON, N.W.—Sound middle-class Cash Retail Business; in good position; returns over £1,500; net profit nearly £500; books open to fullest investigation; own property; low rent; price £800.

13.—HAMPSTEAD (near).—Good-class Retail and Dispensing; no side-lines; returns average £750; now under manager; large handsome shop; main road position; price only £250; worth attention.

BUSINESSES WANTED.

Messrs. BERDOE & FISH having been successful in disposing of several businesses lately, are now in want of sound concerns returning from £800 to £3,000. Cash buyers waiting. Strictest confidence guaranteed. Intending vendors are cordially invited to correspond.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LANCS. (Popular Health Resort).—Sound Business; commanding position, best locality; turnover £680; exceptional profits; valuation £390; handsomely fitted and well stocked; every investigation courted; price £350. Apply, 69/29, Office of this Paper.

LEEDS.—For Sale, cheap, as a going concern, old-established Drug Store (with full Wine Licence) in thickly populated district; main thoroughfare; good dwelling-house attached; moderate rent. Address, 69/40, Office of this Paper.

MAIDA VALE, W. (Aristocratic Flat District).—Opened by vendor 16 years ago; has done nearly £1,000; good prices; owner had two paralytic strokes, cannot attend properly; over 10,000 Prescriptions copied; all cash trade; £350 for quick sale. 69/14, Office of this Paper.

NORTH YORKSHIRE (High-class and Popular Seaside Resort).—Very old-established Chemist's Business for immediate Disposal owing to death of proprietor; average takings £1,100 (mostly cash); capital necessary £750 to £1,000; premises could be leased or purchased on easy terms; principals or their solicitors only dealt with. Address, 176/59, Office of this Paper.

SOUTH WALES.—Mixed Business for Sale in Colliery district; takings over £1,400 per annum, including N.H.I. £300; profits excellent; every investigation courted; price £600, part of which could remain; the business occupies a good position in a rapidly developing neighbourhood, and is a real bargain. 54/24, Office of this Paper.

SUSSEX Country Town.—Business for Sale; 20 miles from coast, good-class Retail, Dispensing, and Photographic; returns £820, increasing; net profit 47 per cent.; full prices obtained; no cutting; ample scope for further development; lock-up shop; very low rent; no opposition; price £650, or near offer. 62/13, Office of this Paper.

YORK (Death Vacancy).—Old-established Business in main thoroughfare; been neglected through ill-health; returns about £500; scope for large increase; large shop and excellent premises; rent £30; good fixtures and useful stock; for quick sale £150 net. Further particulars from Blandsale, Ltd., York.

YORKSHIRE (Busy Manufacturing Town).—Old-established Business; situated main thoroughfare; well-known Proprietary attached; Wine Licence; well stocked; modern fittings; electric light throughout; immediate possession can be given; death of proprietor reason for sale; valuation about £500. "Saadat Munzil" (69/24), Office of this Paper.

FOR Sale.—Wanted, young man, single or just married, who is a worker; for such an opportunity presents itself now to acquire a small genuine Business, which is capable of great increase in the hands of Mr. Right; room for an up-to-date man. "Twcad" (67/30), Office of this Paper.

GENUINE Bargain.—Excellent scope for increase; owner giving up business; takings 1913 £900; stock and fixtures worth £475; will accept £350 for quick sale (including £115 Insurance balances). Apply, "Lancashire" (71/2), Office of this Paper.

GENUINE, new, progressive Cash Business for Disposal through family reasons in new rapidly growing West Suburb; unique position; shop double-fronted, well fitted and stocked; convenient house; moderate rent; suit young Pharmacist; worth attention; price, valuation or reasonable offer; full particulars to bona-fide purchasers. Letters only, Howard, 188 Uxbridge Road, W.

RE G. V. PERKINS, LTD.

THE Receiver and Manager for the Debenture Holder invites offers for the Business of Chemists and Druggists carried on at No. 98 Colmore Row (corner of Bennett's Hill), Birmingham, together with the excellent Fixtures and Fittings; also the Stock-in-Trade and book debts, and the tenancy of the premises. For particulars apply to Messrs. Edwin Jacques & Sons, 102 Colmore Row, or to the Receiver and Manager, Mr. J. H. Windmill, Chartered Accountant, 36 Cannon Street, Birmingham.

BUSINESSES WANTED.

A SOUND Retail Business required, which must bear the closest investigation; a small business not objected to if there be scope for increase; good house accommodation essential; replies will be treated confidentially. Sycamore House, Greaveside, near Sheffield.

FOR SALE.

MACHINERY.—Emulsifying Machine made by Wilkinson, Leicester, cost £25 twelve months ago; also Ointment Mill by same firm, cost £42 same time; what offers? Needhams, Stinchley, Birmingham.

PARTNERSHIPS.

OLD-ESTABLISHED Wholesale and Retail Chemist, Druggist, and Drysalter's business, Midland town, desires gentleman with £400 to £500, either sleeping or active Partner, with the object of forming same into a Limited Company; one-third share. Apply, Midland Conversion Co., Ltd., Financiers and Partnership Agents, County Chambers, Corporation Street, Birmingham.

PARTNERSHIP to a man with Chemical knowledge who would undertake Works Management to a Limited Company in the North of England; he must be experienced and competent, having command of moderate capital; the business, which has been successfully carried on for a number of years, consists in the sale of Fine Chemicals and in the manufacture of Extracts, Distillates, and of Specialities in large demand. Applicants to state fully qualifications, age, etc., to "Bellona," c/o Lee & Nightingale, Liverpool.

AGENCIES.

AUSTRALIA.—Manufacturers' Representative open to accept Sole Agencies for Australia; Drugs, Druggists' Sundries, Perfumery, Rubber goods, Toilet Papers, etc., and any good side-lines; particularly desirous of assisting good firm to capture German trade; good connection throughout Australia. 62/27, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

BIRMINGHAM.—Assistant (Junior) for Counter; experienced, with a good knowledge of Dispensing. Mayous, Ltd., Chemists, Saltley, Birmingham.

BIRMINGHAM.—Wanted, Improver. Apply, giving usual particulars and state salary required, to O. W. Evans, The Green, Bournville.

BRISTOL.—Reliable Junior Assistant required early in January. Also an Apprentice, for a good-class business; outdoors; no Sunday duty. Apply, with full particulars, to Stode Cosh & Penfold, Lower Union Street, Bristol.

COVENTRY.—Junior Assistant wanted at once. State age, experience, salary required (outdoors), and when disengaged, Bird, Chemist, Spon Street, Coventry.

HAMPSHIRE.—Junior or Improver required in good-class Dispensing business; must be a good Counterman and experienced in a Dispensing business; easy hours, with time for study if needed. Apply, stating age, salary required, when disengaged, enclose photo if possible, Keeble, Chemist, Liss, Hampshire.

HARROGATE.—Unqualified Assistant in a high-class Dispensing business; indoors. Apply, stating age, height, references, and salary required, to A. B. Payton, Crown Pharmacy, Harrogate.

LEAMINGTON SPA.—Experienced Assistant (outdoors) for best-class Dispensing business; not necessarily qualified. Full particulars of past experience and references, with photo (to be returned), to Hutton, Pharmaceutical Chemist.

COUNTY BOROUGH OF GRIMSBY.
EDUCATION COMMITTEE.

MUNICIPAL COLLEGE, WINTRINGHAM SECONDARY
SCHOOL.

LABORATORY ASSISTANT.

THE Governors of the above Secondary School are prepared to receive applications for appointment as Laboratory Assistant (male) to the Upper School of the Municipal College.

Salary £60 per year.

Application to be made by letter, stating age and previous education, and to be addressed to the undersigned on or before Saturday, the 5th of December, 1914.

DOUGLAS CHANDLER;

Clerk to the Education Committee.

Education Offices, Grimsby,
24th November, 1914.

LEAMINGTON SPA.—Junior (indoors) for January 1. Apply, with usual particulars, to J. Price, 42 Bath Street, Leamington Spa.

LIVERPOOL.—Competent Assistant, not over 30; outdoors: must have had good experience; no Insurance work. R. & J. Herman, Pharmacists, Aintree, Liverpool.

LONDON.—Exceptional opportunity for smart, energetic qualified Manager, of sound ability and experience, to take charge of first-class Chemist's business; must be married man. State fullest possible particulars in first letter, 96/1, Office of this Paper.

LONDON.—Qualified Manager for a progressive Cash business having good N.H.I. connection; commission on the profits in addition to good salary offered to a smart and energetic man not afraid of work. 960/1, Office of this Paper.

LONDON, N.—Assistant, about 22; outdoors; one who has served a good apprenticeship and accustomed to N.H.I. Dispensing. Apply, with references, to J. H. Frost, Pharmacist, 9 High Street, Hornsey, N.

LONDON, N.—Elderly qualified man or one seeking permanent light employment; comfortable berth; Part-time entertained. State salary and references to "Statim" (71/26), Office of this Paper.

LONDON, S.W.—Required, Dispenser (Minor qualification); salary to commence 50s. per week; age about 25; hours of work 8.45 a.m. to 6.30 p.m. approximately; no Sunday duty; 14 days' annual vacation. Apply by letter, stating full particulars, to 1022, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Capable qualified Assistant, with good Dispensing experience. Apply personally, or by letter, enclosing photograph, to Topholme & Son, 1 Colcherne Terrace, Earl's Court.

LONDON, W.—Junior Assistant by December 19; outdoors; one with experience in Insurance work and Retail. Full particulars in writing, or call, Williams', Chemists, 43 Norland Road, Notting Hill, W.

LONDON, W.—Wanted, early in December, for high-class West-End Dispensing business, Assistant; outdoors; must have had good Dispensing experience; qualification not essential. Apply, with full particulars, to Rees, 62 South Audley Street, Grosvenor Square, W.

LONDON, W.—Wanted, a smart Junior Assistant, qualification not essential, for good-class Dispensing business; able to be left in charge; bed-sitting room provided if desired. Apply, with full particulars, to "B.", 4 Napier Road, Kensington, W.

LONDON, W.—Wanted, at once, qualified Assistant (outdoors) for Dispensing Counter. Apply, stating age, height, salary required, with full details of previous experience, to W. Martindale, 10 New Cavendish Street, London, W.

LONDON Suburbs.—Assistant; competent; unqualified; outdoors; good-class Retail, Dispensing, and Photographic experience essential. State age, height, experience, salary expected, when disengaged, Matthews, Dispensing Chemist, 146 Hopper's Road, Winchmore Hill, N.

MANCHESTER.—Unqualified smart Assistant, about 26; must be accurate Dispenser and good Salesman; outdoors; single; must be highly recommended; send full particulars and photo; hours 8.30 to 9, Wednesday 1 o'clock, Saturday 11 o'clock; one hour dinner, one hour tea; salary to commence 37s. Apply firstly, Galloway, Blackpool.

MANCHESTER.—Wanted, a qualified Dispenser; must be reliable, accurate, and neat, and experienced in high-class business. State experience in full, with age and salary expected (outdoors, no Sunday duty), 71/1, Office of this Paper.

NEAR London.—Junior, unqualified, required for high-class business; opportunity for capable young man gaining excellent experience; outdoors; permanency. State age and salary required, 69/1, Office of this Paper.

PRESTON.—Improver required for Mixed business; splendid chance for obtaining very useful experience. State age, salary required, and when at liberty, 69/01, Office of this Paper.

THE WARWICKSHIRE INSURANCE COMMITTEE invite applications for the post of Prescription Clerk (male or female); candidate must have had experience in Prescription Reading and in Accounting; salary £90 per annum. Applications, with copies of recent testimonials, to be sent to the Clerk of the Committee, 15 Waterloo Place, Leamington, not later than December 2 next.

TORQUAY.—Junior Assistant, unqualified, indoors, for good-class Retail and Dispensing business. Apply, stating age, experience, references, and salary required, to J. Newlyn, Wellswood Pharmacy, Torquay.

A QUALIFIED Dispenser wanted. Apply, stating age, experience, references, and salary required, to Secretary, G.W.R. Medical Fund Society, Swindon, Wilts.

ALL-ROUND Assistant wanted at once for good-class Retail; first-rate Salesmanship essential; knowledge of Photography; Window-dresser; hours 8.30 to 8; half-holiday; no Sunday duty; salary up to 50s. for capable man. Apply, with full particulars, references, and photo if possible, to F. Hallam, Ltd., The Rexall Pharmacy, Burton-on-Trent.

ASSISTANT; qualified; first-class business. Miller & Co., 42 Mount Ephraim, Tunbridge Wells.

ASSISTANT, unqualified, young, for good-class Retail and Dispensing business; indoors; comfortable berth. State age, height, salary, enclose photo if possible, particulars of last two engagements, J. Baily & Co., 2 Ethelbert Terrace, Margate.

ASSISTANT wanted (outdoors) for a good-class Dispensing and Family business. Please give full particulars, age, height, experience, salary required, and photo if convenient, to Jeffrey & Son, Pharmacists, Pittville, Cheltenham.

ASSISTANT, unqualified, wanted to fill place of one who has enlisted; outdoors; good-class Retail and Dispensing business, with small amount of N.H.I. work. Frank Inglis, Pharmacist, Heaton Moor, Stockport.

ASSISTANT, experienced Dispenser, outdoors, permanency, in a good-class business in mid-Surrey; please state full particulars and enclose photo. Apply, 69/5, Office of this Paper.

ASSISTANT for Branch; capable of taking charge if necessary; a small country business near to London; N.H.I. and usual Retail business; must be a good and tactful Salesman, and only those with undeniable references need apply; a permanency for a suitable man. Send full particulars to "W. H. S." (67/38), Office of this Paper.

ASSISTANT, qualified, temporary, for period of war; high-class Dispensing business; indoors; four other assistants kept. Apply, Southall's, 17 Bull Street, Birmingham.


CAPABLE unqualified Assistant (outdoors) for good-class Dispensing and Photographic business, S.E. London. Apply to "Z. X. Y." (69/21), Office of this Paper.

DISPENSER and Bookkeeper (male or female) to a Doctor in small town in Gloucestershire; one with previous experience preferred; hours 9-11 a.m., 2 and 6-7.30 p.m., Sundays 10-11 and 2; salary 30s. weekly (outdoors). Apply by letter, H. Jenkins, 137 Willesden Lane, London.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK NOV 21 1914

NATURE OF ADVT.	REPLIES
DISPENSER	26
MANAGER	26
REPRESENTATIVE	25
SIT. WANTED	11



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

DISPENSERS wanted for Military Hospitals at Tring, Hertfordshire, and Aylesbury, Bucks. For particulars apply, Senior Medical Officer, Tring.

ELDERLY qualified Chemist required, mainly for N.H.I. Dispensing; comfortable and permanent berth. State age, salary required, 69/100, Office of this Paper.

ELDERLY qualified Chemist required for N.H.I. Dispensing and to assist generally; East London; must be sober and well recommended; salary £2 weekly. Apply by letter, with full particulars, "Nemo" (69/28), Office of this Paper.

EXPERIENCED and reliable man wanted as Dispenser to Doctor; easy berth; half-day off weekly; house provided. State full particulars, age, if married, experience, salary required, etc., to 77/8, Office of this Paper.

IMMEDIATELY—Assistant for Country Dispensing and Agricultural business in the West of England; in- or out-doors; short hours; good salary; one not eligible for enlistment preferred; send usual particulars. Apply, 71/3, Office of this Paper.

IMPROVER or Junior wanted, January; outdoors. Terms and particulars, Jones, Chemist, Reddish, near Stockport.

IMPROVER for middle-class trade; moderate hours; must be a good Stockkeeper; one who has served part of an apprenticeship not objected to. State age, height, experience, and salary required, with photo, to Berridge, Ltd., Chemists, Leicester.

JUNIOR wanted for high-class Family and Dispensing business; apprentice employed. State age, reference, salary required, and all usual particulars, J. B. Pater, Pharmacist, Broomhill, Sheffield.

JUNIOR Assistant (outdoors), age about 21, wanted the first week in January; reasonable hours; plenty of Dispensing; good-class trade. State full particulars, with good reference, to Strawson, 12 Rose Hill, Dorking.

JUNIOR (outdoors), about 21, for suburban business; experienced at Counter, Dispensing, and Stock. State age and salary required, Rushton, Pharmacist, Hall Green, Birmingham.

JUNIOR, age about 21; used to Dispensing and Photography; outdoors; time for study if desired. Devereux, Chemist, Wood Street, Walthamstow.

JUNIOR Assistant, about 20, for two or three months; Dispensing and Photography. 71/25, Office of this Paper.

LEWIS & BURROWS have a vacancy for a competent Dispenser for the West End; good experience absolutely essential. If application is made by letter kindly enclose photograph to 146 Albion Bars, E.C.

MANAGER required for old-established business in the Midlands; must be a fully qualified man and capable of taking full charge. Apply, stating experience, salary required, etc., "Chemist," c/o R. R. Preston & Son, 9 New Street, Leicester.

M. R. S. W. VINCENT, Chemist, Addiscombe, Croydon, requires an Improver (time allowed for study) or an Assistant for evenings; one living in immediate neighbourhood preferred.

PART-TIME Assistant wanted; principally evening duty; indoors; comfortable home; suitable for Student. 175 Uxbridge Road, London, W.

PORTER (Junior) accustomed to a Chemist's business, 20 to 24 years of age. Apply, giving full particulars, to A. J. B. C., Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W.

QUALIFIED Manager for Branch, early in December; working-class, N.H.I. Please state age, etc., with full particulars, first letter to Ed. H. Swift, Pharmacist, 68 Holme Lane, Sheffield.

QUALIFIED Manager for Branch business; live over premises; also unqualified Assistant; outdoors. Apply, with usual particulars, to Managing Director, Henry Hodder & Co., Ltd., Nelson Street, Bristol.

QUALIFIED Assistant, age about 23, wanted about the middle of December. Dyson & Co., 35 Gloucester Road, South Kensington.

QUALIFIED Assistant wanted; capable Salesman and Dispenser; to sleep indoors. Call or send full particulars to R. S. Arkie, 126 Strand, W.C.

QUALIFIED Assistant at once; temporary, permanency suitable; comfortable position; no objection elderly; state salary, etc. Letter first, Donnelly, 284 Derby Street, Bolton.

TWO unqualified Assistants required early to replace recruits in a good-class Dispensing and Family business. Apply, with fullest particulars, age, height, salary required, and photo, Corfe & Son, Chemists, Maidstone.

UNQUALIFIED Assistant to Manage small Drug Store in good-class district; salary commencing at 30s. and rising to 45s.; smart young man desiring permanency preferred. State when disengaged and all particulars in first letter to 69/35, Office of this Paper.

URGENT, to replace recruit; a capable Junior Assistant; quick Dispenser, good Window-dresser; easy hours; liberal terms; outdoors. Send photo if possible and all particulars, Dix, Cash Chemist, Pontypool.

WANTED, immediately, until the return of one on active service, a qualified male or female Dispenser and Bookkeeper; those eligible for the Army need not apply. Apply, with references, stating age, salary required, and enclosing photo (to be returned), to Drs. Thompson, Gibson & Budd, Launceston, Cornwall.

WANTED, Junior Assistant (indoors) for good-class Retail and Dispensing business, with some Photography. Apply, stating age, experience, references, and salary required, enclosing photo if possible, to B. Salter & Son, Chemists, Shrewsbury.

WANTED, at once, unqualified Assistant; experienced; live in. FitzHugh & Carr, 21 Long Row, Nottingham.

WANTED, at once, a thoroughly experienced Chemist; West End; wages 45s. per week, dinner and tea. Apply by letter, stating full particulars, to 71/9, Office of this Paper.

WANTED, a Part-time Dispenser (male or female), holding the Minor certificate of the Pharmaceutical Society; salary £90 per annum. Applications for the post must reach the undersigned not later than Tuesday, December 7, from whom all particulars as to hours, etc., may be obtained. A. C. Taylor, Secretary, The Infirmary, Peterborough.

WANTED, at once, a smart Assistant, chiefly for Counter work and occasional Window-dressing; progressive salary for suitable man. Apply, with particulars, salary expected; Maurice Jones, M.P.S., 298 Harrow Road, London, W.

WHOLESALE.

A VACANCY occurs in the office of a firm of London Wholesale Druggists for a good English Assistant, who has had both Wholesale and French Pharmacy experience; must also have a fair knowledge of French. Applicants to state age, qualifications, and experience to "T." (177/60), Office of this Paper.

A YOUNG man wanted, about 22; assist generally in the Sales Department of well-known Sundries house; one who has knowledge of Specialty Window-dressing preferred; capable of working out ideas without supervision. State salary and full particulars of previous employment to 172/3, Office of this Paper.

ANALYTICAL Laboratory (Wholesale House).—Required, Junior Assistant; salary £80 per annum. Apply, "S." (67/33), Office of this Paper.

CAPABLE Junior Assistants wanted for the Wet Room, Dry Room, and Laboratory. Apply, with full particulars of experience, salary required, etc., to Raimes & Co., Wholesale Druggists, York.

DRUGGISTS' Sundries Department.—Manager required who can undertake buying, selling, and general development. Apply, with the fullest details as to age, experience, salary, etc., to Hirst, Brooke & Hirst, Ltd., Manufacturing Chemists, Leeds.

EXPERIENCED Tablet-maker required. Full particulars, stating previous experience, wages asked, etc., to "Forceful" (69/16), Office of this Paper.

INVOICE Clerk (experienced) wanted by Wholesale Druggists, South London. Write particulars, age, salary required to 177/57, Office of this Paper.

MANAGER wanted immediately for new London firm of Manufacturers; must be well connected with Wholesale and Retail Chemists. Please state salary expected, reference, and particulars, 71/11, Office of this Paper.

PILLS.—Man wanted for Coating in Pearl, Gelatine, and Sugar; permanency if found suitable. Apply by letter to "Pills," 66 Park Street, S.E.

REPRESENTATIVE required, half-time, for South Wales to push a Proprietary Ointment. Apply, stating full particulars, connection, and expenses required, Room 408, 329 High Holborn, W.C.

TRAVELLER.—Required, at once, by large Manufacturing Chemists and Druggists, Representative, well known and with established connection in the Midlands, to call on Chemists, Aerated Water Manufacturers, Manufacturing Confectioners, etc.; the position offers scope for initiative and energy, with liberal remuneration; applicants should give full particulars as to experience, etc. All communications, in confidence, to "C. P. W.," c/o Burgoyne, Burdidges & Co., East Ham, E.

TABLET Makers.—Additional hands required in Compressing and Granulating Departments. Apply, stating age, experience, wages required, and when disengaged, to The Standard Tablet and Pill Co., Hove.

WANTED, at once, a Capsule hand; one who is used to turning out machine-made Capsules. Apply, stating experience and salary required, to R. Sumner & Co., Ltd., Wholesale Druggists, Liverpool.

WANTED, at once, temporary Counter hand, with good knowledge of Wets; wages 24s. per week. Apply, stating full particulars, to "M." (67/35), Office of this Paper.

WANTED, at once, temporary man for Manufacturing Laboratory; must have knowledge of trade; wages 22s. per week. Apply, stating full particulars, to "M." (67/035), Office of this Paper.

WAREHOUSE Assistant wanted. Apply by letter, stating wages required, to Hopkin & Williams, 16 Cross Street, Hatton Garden.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

INDIA.—Messrs. Bathgate & Co., Calcutta, require two Junior Assistants with Minor qualifications; unmarried; age 21 to 26; passage paid both ways; four years' agreement; salary first year monthly Rs. 275 (about £18 6s. 8d.), second Rs. 300 (about £20), third Rs. 325 (about £21 13s. 4d.), fourth Rs. 350 (£23 6s. 8d.). Apply, giving particulars of experience, etc., to Messrs. Alex. Lawrie & Co., 14 St. Mary Axe, London, E.C., who will be pleased to answer all inquiries.

Refugee Belgian Pharmacists.

This section is devoted to the announcements of Belgian confrères at present in this country. We shall be pleased to insert gratis announcements of a similar character from others who are seeking situations in the Drug trade.

Cette section est réservée pour les annonces des confrères belges qui se trouvent actuellement dans ce pays. Nous serons heureux d'insérer gratis des annonces semblables de ceux cherchant des places dans le commerce des drogues.

BELGIAN Refugee (British subject), 45, with 28 years' business experience in Drugs and Chemicals (Export) in Antwerp, desires situation in this country as Clerk, Secretary, or Foreign Correspondent; perfect knowledge of English, French, and Dutch, and working knowledge of Spanish and German; salary of 50s. to 40s. a week would be welcome. Write, S. G. Isherwood, The Croft, Southam.

BELGIAN Pharmacist, 35, Manager for 5 years of high-class Pharmacy in Antwerp, wants employment in West of England for preference; would give services for a week or two in return for a home; married. Address, "H. M.," c/o G. A. Yates, Pharmacist, Dulverton.

BELGIAN, with diploma in Pharmacy, seeks situation in London or other large town; knows a little English. Communications to A. Pirotte, 17 Market Hill, Cambridge.

BELGIAN Refugee Pharmacist from Antwerp, who understands English fairly well and speaks a little English, would be glad to negotiate with an English Pharmacist, Wholesaler or Manufacturer. Address, E. van Raebroek, Stockens Green, Knebworth, Herts.

BELGIAN Pharmacist (refugee) desires situation in English Pharmacy or Wholesale house; speaking French, Flemish, Dutch, and a little English. E. Ingebos, 18 Dalgarno Gardens, Kensington.

BELGIAN Pharmacist (from Ghent), 32, Diploma Brussels University with distinction, desires occupation until circumstances allow of his return to his own Pharmacy. Address, Edgard Charon, 3 Rhine Villas, Clacton-on-Sea.

BELGIAN Pharmacist, with long experience, speaking English, French, and Dutch, desires situation in English Pharmacy, Hospital, Wholesale house, or Public Institution. Address, A. Stevens, Waverley Hotel, Southampton Row, London, W.C.

BELGIAN Pharmacist and Druggist seeks situation in Hospital, Public Institution, Pharmacy, or Wholesale Drug house; speaks only a little English, but French and Flemish. Write to C. Danis, Cranston's Waverley Hotel, Southampton Row, W.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

A SMART Counterman (25), married, disengaged, wants permanency; unqualified; no Dispensing; 6 years' London and provincial experience. J. J. Smith, 8 Vaughan Road, Longborough, London, S.E.

ACCURATE, reliable, unqualified Dispenser requires post with Doctor or Chemist; disengaged now. 71/5, Office of this Paper.

ADVERTISER (lady) seeks temporary employment; could undertake work of would-be recruit; three years' Chemist, Institution experience; recommended by Doctors. 71/25, Office of this Paper.

AS Manager.—Pharmacist, thoroughly experienced (West End, Provincial, Continental), good appearance, young, active, willing, desires permanency; excellent references. Simmons, 11 Trinity Street, Norwich.

AS Manager of Branch or Dispenser by a thoroughly qualified Chemist; middle-aged. Apply, "D.," 32 Queen's Terrace, Southampton.

AS Part-time; young qualified Chemist; evenings or National Health Dispensing; small salary. 62/15, Office of this Paper.

ASSISTANT, M.P.S., Optical experience, requires permanency; good references. "Remex," 24 Mayflower Road, Clapham.

ASSISTANT (19) seeks situation; disengaged now. Apply, Thomson, 1 Cromwell Road, Basingstoke.

ASSISTANT; outdoors; unqualified; middle-aged; disengaged. "F. D.," 36 Chudleigh Road, Brockley, S.E.

ASSISTANT; high-class Retail and Dispensing; 8 years' experience, including West End; age 24; disengaged January 1. Brown, 221 High Street, Kensington, W.

ASSISTANT; 34; single; best Retail and Dispensing experience. Nicholson, 18 Station Road, Preston Park, Brighton.

ASSISTANT, unqualified; resourceful, tactful Salesman; Dispensing, Photography; attractive Window-dresser; excellent references. 69/15, Office of this Paper.

ASSISTANT; unqualified; disengaged; 27; tall; good appearance; thoroughly experienced and highly recommended; desires permanency; London or South preferred. 71/13, Office of this Paper.

ASSISTANT, Manager, or Locum; trustworthy; excellent references. Forster, 5 Coleridge Road, Finsbury Park, N.

ASSISTANT; 20; good experience; Dispensing, Photography, and Counter. Appleby, 10 Acton Vale, W.

ASSISTANT; accustomed sole charge; Counter, Dispensing; disengaged; local. Flemons, Chemist, Dudley Road, Birmingham.

BIRMINGHAM.—Lady Dispenser (qualified) will give her services (Part-time) in return for Counter tuition. "Dispenser," 66 Gough Road, Edgbaston.

BRANCH Manager or Assistant; experienced in General Retail, Photographic, and Dispensing; 43; unqualified. "Statim," 1 Mount Street, Lockwood, Huddersfield.

CATFORD.—Youth, learning Dispensing, seeks situation to continue. Bell, 118 Catford Hill.

CHANT (22); good Dispensing, Retail, and Photographic experience. 68 Fortess Terrace, Kentish Town.

DISENGAGED; unqualified Assistant; 12 years' all-round experience; age 28; height 5 ft. 9 in.; Counter, Dispensing, practical Photography; Locum or permanency. Cusack, 51 Hemberton Road, Stockwell, S.W.

DISPENSER; experienced; qualified; permanency or Locum. "Statim," 27 Elm Lodge Avenue, Reading.

DISPENSER or Assistant Manager; first-class experience. "Dispenser," 58 Malvern Road, West Kilburn.

ELDERLY Chemist; disengaged; N.H.I. Dispenser. "Minor," 19 Loxham Street, Great Lever, Bolton.

EXPERIENCED Lady Dispenser desires post, Doctor or Institution; Bookkeeping; good testimonials; distance no object; disengaged. Miss Cousens, 74 Malvern Road, Thornton Heath.

EXPERIENCED Assistant; 8 years' good reference last berth; London only. "Lemon," 7 Roslin Terrace, Acton.

EXPERIENCED, middle-aged qualified man; single; services in return for living expenses. "London" (68/14), Office or his Paper.

EXPERIENCED Assistant, unqualified, seeks situation where duties would be light; outdoors; South Wales preferred; good references. "T" (69/39), Office of this Paper.

ADY, unqualified, desires Part-time employment, Liverpool. "Beta," 77 King Street, Egremont.

ADY Dispenser, Hall qualification, one year's practical experience, requires post with Medical man or in Hospital (latter preferred). References on application, 68/15, Office of this Paper.

ADY (Minor), good experience, requires post, preferably as Dispenser, in London; outdoors. 71/4, Office of this Paper.

LOCUM or permanency; abstainer; 49; not registered; experienced, excellent references. "Expert," 73 St. Andrews, Cambridge.

MANAGER, Assistant, or Locum; qualified; married; good experience. "Statim," 144 Empress Avenue, Ilford.

MANAGER; qualified; 36; 5 ft. 10 in.; thoroughly experienced; Photography; married; abstainer; permanency. arkinson, 2 Pembroke Terrace, Spring Grove, Osterley Park, W.

MANAGER; 20 years' smart London experience; last position 7 years. Manager, Lawrence & Co., Bournemouth; excellent references. Parker, 158 Alma Road, Bournemouth.

MANAGER or Senior; qualified; first-class all-round experience and of good appearance; City or West End of London preferred. Business, Trenable, Oakleigh Park, N.

MANAGER, Assistant, or succession (easy terms); 36; married; unqualified; Extractor, Prescriber, Photography; N.H.I. qualification; excellent references. "Disengaged," 629 Oldham Road, Newton Heath, Manchester.

MANAGER; qualified; 39; first-class City and West-End experience; good references. "Ajax," 28 Silver Crescent, Hammersburg, W.

MANAGER or Assistant; view to purchase preferred, or would take over immediately a small business on mutual agreement. A., 39 St. Thomas Road, Finsbury Park.

MANAGER or Senior; qualified; middle-aged; single; tall and active; good references and experience; provincial town preferred; permanent or temporary. 68/24, Office of this Paper.

MANAGER, Branch or Drug Stores, or other suitable post, by Colonial qualified man; Wholesale or Retail; several years' successful business own account; well known London Locum work; age 38 years; good all-round; Locum entered. "Colonial" (68/11), Office of this Paper.

MANAGER; qualified; sound London high-class Store experience; age 48; Prescriber; good Counterman and Buyer; five; highest references; disengaged; temporary or permanent. 35, 33 Bristol Gardens, W.

MANCHESTER, Assistant (Major), disengaged, requires situation to gain experience; Wholesale or high-class Retail; abstinence; moderate salary. "H., 10 Fraser Road, Higher Hampshall.

MANCHESTER District, Qualified; all-round experience; best references. "Panel," 297 Great Cheetham Street East, Higher Broughton, Manchester.

MURSE-DISPENSER (Hall), experienced, requires afternoon post. "H., 22 Ashby Road, Canonbury.

PART-TIME; experienced; Apothecaries' Hall qualification; mornings, evenings, or whole day; take sole charge. Chemist," 36 Grove Hill Road, Denmark Hill, S.E.

PART-TIME; mornings, two evenings a week. "Lagden," 56 Kennington Road, S.E.

PHARMACIST; elderly; best-class experience; moderate salary; reasonable hours. 69/17, Office of this Paper.

PHARMACIST (30), good worker, Provincial, London, and Continental experience, seeks berth as Manager or Senior; best references, and permanency preferred. "Scotsman" (67/34), Office of this Paper.

QUALIFIED; 30; tall; excellent references. "Salol" (66/35), Office of this Paper.

QUALIFIED; disengaged; 36; Locum or permanent; London preferred. 62/180, Office of this Paper.

QUALIFIED (23), fully experienced, West End and South Coast, Counter, Dispensing, and Prescribing, seeks Manager-ship to commence New Year; permanency; Cash Chemists or sound Company offering prospects; North preferred but not essential. 66/38, Office of this Paper.

QUALIFIED; competent, energetic, and trustworthy Dispenser; Manager, Locum, or Senior Assistant; 40; excellent references; now disengaged. Williams, Pharmacist, 8 Canal Street, Tipton, Staffs.

QUALIFIED; Locum; elderly; disengaged; terms moderate. J. Green, 23 Victoria Road, Edmonton.

QUALIFIED; married; 29; good experience, references. Jones, 82 Empress Street, Acerrington.

QUALIFIED; Branch Manager or Assistant; Dental; town and country experience; married; smart Counterman; permanency; disengaged. "Pharmacist," The Holm, Newbridge, Dumfries.

QUALIFIED; 31; Assistant or Branch Manager. "Robinson," 141 Ribblesdale Road, Streatham Park, London, S.W.

QUALIFIED; Branch, Company or private; experienced; energetic, reliable; Dispenser, Counter, Photographic, Window-dresser; good references. "Pharmacist," 63 Manor Park Road, Harlesden.

QUALIFIED Dispenser under N.H.I.; quick, accurate, and thoroughly reliable; disengaged November 28; not afraid of work. Coles, 50 Earl Road, S.E.

QUALIFIED; Manager or Senior; young; good experience. Apply, 67/40, Office of this Paper.

QUALIFIED (42) requires change; Dispensership preferred; single. State terms, "Rhei" (69/3), Office of this Paper.

QUALIFIED; Scotch; good experience; quick and accurate Dispenser; undeniable reference. "Forward" (71/10), Office of this Paper.

QUALIFIED; experienced; disengaged; 33; permanent or otherwise. "S. W.," 2 Aberdeen Street, Nottingham.

SMART, energetic, qualified Manager, of sound ability and experience, disengaged. "Vim" (71/6), Office of this Paper.

UNQUALIFIED; 25; 5 ft. 8½ in.; experienced Dispensing and Retail; disengaged January; town preferred. "Reklaw," 26 Curzon Street, Calne, Wilts.

UNQUALIFIED Drug Store Manager; berth as same or Counter-man; good Salesman, Prescriber, and Window-dresser; could assist Dispensing; married; age 29; start at once; permanency. Parren, 197 Winchester Road, Lower Edmonton, N.

UNQUALIFIED; Counter, Dispensing, Extractor, N.I. work. "Magnesium" (68/20), Office of this Paper.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A., 24 College Street, Chelsea.

30/-—Smart Assistant; 37; experienced all branches. Lambert, 129 Gloucester Road, Bootle, Lancs.

50/- Weekly (outdoors).—Unqualified Assistant; high-class business only; exceptional references; Dispensing and "personal" Counter experience. 69/22, Office of this Paper.

WHOLESALE.

EXPERT Salesman, well in with prompt pay Chemists and Stores, wants new lines for 1915; part expenses and commission. "X. X." (62/26), Office of this Paper.

PERFUMER (expert); Extracts, Toilet Soaps, Powders; large experience; good buyer; thoroughly practical. Write "E. M. E." (67/31), Office of this Paper.

PHARMACIST, with wide experience, sound knowledge Therapeutics, age 36, tall, desires to Represent good firm. "Pharmacist," 26 Grasmere Road, Muswell Hill, N.

PHARMACEUTICAL Chemist seeks position as Business or Works Manager; experienced in office, control, advertising, correspondence, selling schemes, factory costs, etc.; for several years had charge of a well-known Laboratory, and has been accustomed to originate, manufacture, and pack Specialities in very large quantities, Toilet Articles, Malt Extract, Infants' Foods, Capsules, Pastilles, Tablets, etc.; exceptional references and experience. 69/31, Office of this Paper.

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MISCELLANEOUS.

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SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool. F.

SHOPFITTINGS at War Prices.—To make room, the whole of our Stock is to be sold at reductions from 10 per cent. to 60 per cent. discounts; 12-ft. Mahogany and Plate-glass Counter, 48 7s. 6d.; 6-ft. Mahogany Wall Showcase, 9 ft. high, 47 17s. 6d.; 6-ft. Mahogany and Bent Plate-glass Counter Case, 90s.; other bargains in proportion. Write inquiries, **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-fronted Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacists. **GEORGE COOK**, The Chemists' Working Shopfitter, Catherine Street, City Road, E.C. (few doors from Old Street).

BENEVOLENT FUND.—James Ellard, Poplar, former Divisional Secretary and subscriber to the Society. This deserving case is known to and strongly recommended by W. S. Glyn-Jones, M.P.; William Johnston, Secretary, Deafness Association; G. W. Hatfield, Chemist, Limehouse; J. H. Smith, Chemist, Stepney. Proxies appreciated. A. R. Keith, Chemist, Poplar.

CHEMISTS' Fittings, High-class.—14-ft. Drug Fitting, Mirror centre; 8-ft. Mahogany Wall Case; 8-ft. Dispensing Screen and Counter; 10-ft. Glass-fronted Counter; Counter Drawers; Perfumery Case and Desk; £55 10s. the lot, bargain; cheapest house in the trade for structural alterations, shop-fronts, etc. **H. MILLS**, Chemists' Complete Shopfitter, Shopfront Builder, Steam Works, 163-5 Old Street, E.C. Phone 550 London Wall.

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Our arrangements for the manufacture and supply of milk proteids with glycerophosphates are complete, and we are now in a position to execute orders at short notice.

We shall supply this preparation under the above registered title, or to the Trade in bulk or tins bearing their names. It is packed in containers for retail at 1/- upwards, and yields a profit of 40% on the turnover, or 80% on the outlay.

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If the matter has any interest for you, and you will kindly communicate with us, further particulars will be sent.

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One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

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4 lb. salicylate of soda, 4s. lb.; 2 lb. ferri et am. cit., 3s. 3d. lb.; 2 lb. bismuth carb., 9s. 6d.; 2 lb. pot. iodid., 12s. 6d.; all guaranteed B.P.; cash with order or references. Brewer & Marston, Chemists, 44 Cophall Avenue, E.C.

PROPRIETARY ARTICLES.

- 1 doz. original 2-oz. boxes Bayer's sulphonal; what offers? Jeeves, Chemist, Brighton.
3 doz. Hales' cocoa wine (large), 3 doz. ditto (small), 3 doz. Hales' Vin-Sanguis (large), 3 doz. ditto (small). Address, Whitney, Chemist, New Ross, Ireland.

SHOP FITTINGS.

COMPLETE fittings, mahogany, suit shop 20 by 12 ft.; immediate sale; bargain; also remaining stock. 62/18, Office of this Paper.

O'BRIEN receipt-giving cash till; cost £12 this year; perfect order; £7 10s.; 3 and 6 gal. pear-shaped carboys for window, mahogany bottoms, 10s. each in Birmingham. Dunning, 102 Wheeler Street, Birmingham.

MISCELLANEOUS.

VIAL CORKS, small stock for sale. Samples and quotations free. Finch, 39 Upper Conduit Street, Leicester.

AIR-BED for sale; Maw's No. B265/0; used only three weeks; good as new. Offers to Sawyer, Pharmacist, Southwold.

CARTONS suitable 1-lb. Epsom salts, etc., 10,000; cheap; will divide; sample. Hickman, 5 Abbotts Road, Southall.

4 lb. sodii salicylas, 4s. 9d. lb.; 21 doz. Leichner's grease paints, 5s. lot; Dorton-Swift microscope, complete, mahogany case, 50s.; Sartorius incubator, 55s. Bell, 78 Prince's Road, Middlesbrough.

PLATFORM weighing-machine, brand new, never been used, by Day & Millward; to weigh 2 cwt.; cost £4 10s.; will accept £2 5s. for quick sale. Write, Taho Drug Stores, 537 Park Road, Hockley, Birmingham.

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WANTED, folding and vest-pocket cameras, also prism binoculars, any quantity, for cash. Full particulars to Watson's, 84 High Street, Sheffield.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Vulture Road, Clapham, London, S.W.

500-1,000 hanging calendars, 1915; wanted to buy job-line; wording immaterial; prompt delivery essential. Send sample and price to "Retail Chemist" (68/7), Office of this Paper.

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- A**cetamide, B.P., 7 lbs. @ 2- lb.; 1 lb. @ 2.3 lb.; powder, 1d. lb. extra.
 *Aet. Ipecac. B.P., 7 lbs. @ 1/5 lb.
 *Scilla, P.B., 7 lbs. @ 3d. lb.
 *Acetone, 6 lbs. @ 1/4 lb.; 1 lb. @ 1/6 lb.
 *Acid. Acet. Glacial, 99%, Carboys, 160 lbs. @ 50/-; 12 6-lb. bots. @ 9d. lb.; 6 lbs. @ 10.1 lb.
 "Acetylo-Salicyl, 56 lbs. @ 6/6; 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
 "Benz. P.B., 7 lbs. @ 3/6 lb.; 1 lb. @ 4/- lb.
 "Boric Pulv., 3 cwt. @ 34/- cwt.; 1 cwt. @ 34/6 cwt.; leviged 3/- cwt. or 1d. lb. extra.
 "Carbol. Xtls., 39/40: 56 lbs. @ 1, 0 1/2 lb.; 10 lb. Tins @ 10 10 each; 36 1-lb. Bots. @ 1 1/2 lb.; Single Bots. @ 1/4 lb.; Detached Cryst. 10 lb. Tins @ 11/6 each; 1 lb. @ 1/6 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.
 "Citric Cryst., B.P., '85, 7 lbs. in Bags @ 2/7 lb.; powder 1d. lb. extra.
 "Diethylbarbituric, 1 oz. @ 2/- oz.
 "Gallic pur., P.B., 7 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
 "Hydrobrom., Dil. P.B., 6 lbs. @ 1 1/3 lb.
 "Hydrochlor. Coml., cases of 4 2-gal. jars, 18/6 each; 20 case lots @ 17/6 each.
 "Hydrocyan. P.B., 6 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.; 36 1-oz. Vials @ 3/9 doz.
 "Oxalic Cryst., 1 cwt. @ 8 1/2 lb.; 14 lbs. @ 9d. lb.
 "Phosph. Dil., B.P., 7 lbs. @ 4 1/2 lb.
 "Salicyl. pulv. 7 lbs. @ 4/9 lb.
 "Sulphur, Coml., cases, 4 2-gal. jars, 18/6 each; 20 cases @ 17/6 each.
 "Sulph. Aromat. B.P., 5 lbs. @ 3/8 lb.
 "Tannic, B.P., 1 lb. @ 5/3 lb.
 "Tart. cryst. or pulv., B.P., 1835, 7 lbs. @ 1/9 lb.; parv. 1d. lb. extra.
 Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
 Adeps Lada, B.P., Anhydrous, 7 lbs. @ 3/- lb.; Hydros., 7 lbs. @ 2/8 lb.
 "Ergo. Eris Pulv., 14 lbs. @ 11d. lb.
 Aloys Barb., English ground, 28 lbs. @ 84/- cwt.; 7 lbs. @ 10d. lb.
 Aloys, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/5 lb.
 Aloia, B.P., 1 lb. @ 4/3 lb.
 Ammon. Benz., 7 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
 Ammon. Brom., P.B., 1 cwt. @ 3/9 lb.; 7 lbs. @ 4/- lb.
 Ammon. Carb., lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5d. lb.; 7 lbs. @ 5 1/2 lb.; powder, 1 lb. extra.
 Ammon. Chlor., 99% pulv., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.; Batteries, 4/- cwt. extra.
 Amyl Pulv., 10 cwt. @ 13/9 cwt.; 2 1/2 cwt. @ 15/- cwt.; 1 cwt. @ 16/- cwt.
 Aniseed, English ground, 1 cwt. @ 68/- cwt.; 7 lbs. @ 8d. lb.
 Antim. Crocus Pulv., 1 cwt. @ 42/- cwt.; 7 lbs. @ 5d. lb.
 Antim. Nig. Pulv., 1 cwt. @ 33/- cwt.; 14 lbs. @ 34/- cwt.
 Antim. Tart pulv 7 lbs. @ 1/6 lb.
 Apioi, 1 lb. @ 34/- lb.
 *Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
 "Anis Conc. 1-40, 1 lb. @ 3/1 lb.
 "Aurant. Conc. 1-40, 1 lb. @ 6/1 lb.
 "Aurant. Trip., 6 lbs. @ 7d. lb.
 "Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
 "Lancrocrasi, 6 lbs. @ 7d. lb.
 "Menth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.
 "Rosae Conc. 1-40, 1 lb. @ 7/- lb.
 "Rosae Trip., 6 lbs. @ 7d. lb.
 "Samb. Conc., 1-40, 1 lb. @ 6/1 lb.
 "Samb. Trip. 6 lbs. @ 8d. lb.
 Araroba, fine powder, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
 Argent. Nit., 6's to oz., 25 oz. @ 1/9 1/2 oz.; 1 oz. @ 1/11 oz.
 Argent. Nit., Cryst., 25 oz. @ 1/8 oz.; 8 oz. @ 1/9 oz.
 Arsenic, Alb. Pulv., 2 cwt. @ 20/- cwt.; 7 lbs. @ 4d. lb.
 Atropine Sulph., P.B., 1 oz. @ 80/- oz.
 Auri. Chlor., 6 doz. 15 gr. tubes @ 18/3 doz.; 1 doz. 15 gr. tubes @ 19/6 doz.
 Bals. Copaiba, pure, 44 lbs. @ 1/8 1/2 lb.; 9 lbs. @ 1 1/2 lb.; 1 lb. @ 2/2 lb.
 "Peruv., P.B., 7 lbs. @ 9/- lb.; 1 lb. @ 9/3 lb.
 "Sulphur, 7 lbs. @ 8d. lb.
 "Tolut. B.P., 50 lbs. @ 2/5 lb.; 1 lb. @ 3/2 lb.
 Benzo-Naphthol, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.
 Bismuth, P.B., Carb., 28 lbs. @ 11/2 lb.; 7 lbs. @ 11/3 lb.; 3 lbs. @ 11/4 lb.; 1 lb. @ 11/6 lb.; subnit. 1/- lb. less.
 Boracic Mixture, 1 cwt. @ 4 1/2 cwt.
 Borax, 1 cwt. @ 20/-; powder 1/- extra.
 Butyl-Chloral Hydras., P.B., 1 lb. @ 14/- lb.
 Caffeine, P.B., 1 lb. @ 18/6 lb.
 Caffeine Cit., B.P., 1 lb. @ 13/6 lb.
 Calamina, powder, fine pink, 5 cwt. @ 11/6 cwt.; 1 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.
 Calamine, B.P., 1885, 7 lbs. @ 9d. lb.
 Calcii Carb. Precip., 5 cwt. @ 13/- cwt.; 1 cwt. @ 16/- cwt.; 28 lbs. @ 21/- cwt.
 "Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
 "Hypophosph. Pur., P.B., 1 lb. @ 2/3 lb.
 "Iodid., 1 lb. @ 20/6 lb.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 2/3 lb., 1/2 oz. or 1/4 oz. 7 lbs. @ 2/4 lb.
 Crude, good white, about 92% as imported, 140 lbs. @ 1/9 1/2 lb.; 28 lbs. @ 1/10 1/2 lb.
 Cantharides, Russian, 7 lbs. @ 19/6 lb.; powder 6d. lb. extra.
 Capsicine, soluble, 1 lb. @ 6/6 lb.
 Carbo Animalis or Lienti, powder or lump, 1 cwt. @ 14/- cwt.; 28 lbs. @ 2d. lb.
 Cardamoms, 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.
 Carmine, Finest, 1 lb. @ 25/- lb.; No. 2, 1 lb. @ 20/- lb.
 Cera Alba, B.P., White Moons, 28 lbs. @ 2/1 lb.; 4 lbs. @ 2/2 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9 1/2 lb.; 4 lbs. @ 1/10 1/2 lb.; 1 oz., 1/2 oz. Tabs., 7 lbs. @ 1/10 1/2 lb.
 Cerii Oxalas, 7 lbs. @ 1/4 lb.
 Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.
 Chloral Hydras Cryst. B.P., 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.
 *Chlorodyne, 5 lbs. @ 2/- lb.
 *Chloroform, pure, B.P., 12.8 lbs. @ 1/9 lb.; 8 lbs. @ 1/10 lb.; 6 1-lb. bots. @ 2/- lb.
 Cocaine Hydrochlor., B.P., 25 ozs. @ 7/8 oz.; 4 ozs. @ 8/3 oz.; 1 oz. @ 9/- oz.
 Codeina, 1 oz. @ 20/- oz.; Phosph., 1 oz. @ 17/- oz.; Hydrochlor. or Sulph., 1 oz. @ 18/- oz.
 Colocynth, Apple, English ground, 1 cwt. @ 1 1/2 lb.; 28 lbs. @ 1/- lb.; 7 lbs. @ 1/2 lb.
 Composition Powder (Coffin's), 1 cwt. @ 58/- cwt.; 7 lbs. @ 7 1/2 lb.
 Conf. Sennae, P.B., 14 lbs. @ 9d. lb.; 7 lbs. @ 9 1/2 lb.
 Cort. Aurant. Exot. Shreds, 7 lbs. @ 2/10 lb.
 "Cinchon. Rub. (Quill), 7 lbs. @ 1/- lb.
 "Ulmi Fulvae, Pulv., 1 cwt. @ 8 1/2 lb.; 7 lbs. @ 10d. lb.
 Cream of Tartar, 98% powder, 7 lbs. @ 1/8 1/2 lb.
 Creasote, Beechwood, P.B., 7 lbs. @ 3/6 lb.
 Creta c. Campb., 7 lbs. @ 8d. lb.
 "Gall. Pulv., in sacks, 10 cwt. @ 7/9 cwt.; 1 cwt. @ 9/3 cwt.; 14 lbs. @ 1 1/2 lb.
 Creta Preparata, 7 lbs. in box, 9d. each.
 Cubebae, English ground, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.
 *Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/9 lb.; Sinecroco, 6 lbs. @ 1/2 lb.
 "Cinchona (Rubra) Conc. 1-7, 6 lbs. @ 1/10 lb.
 "Senega Conc., 6 lbs. @ 2/6 lb.
 Emp. Spread, 12 yards x 16 ins. adhesive, 3/8; Ballad. B.P.C., Green @ 16/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi @ 6/-; Resinae @ 4/6; Roborans @ 6/-; Saponis, B.P. @ 6/-
 "Picis, P.B., 7 lbs. @ 8 1/2 lb.
 "Plumbi, P.B., 7 lbs. @ 8 1/2 lb.
 "Resinae, P.B., 7 lbs. @ 8 1/2 lb.
 "Roborans, 7 lbs. @ 8 1/2 lb.
 E nulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
 Eserine Sulph. in 15-grain tubes, 5/9 each.
 Ess. Bergam. (Oil), 12 lbs. @ 12/6 lb.; 1 lb. @ 13/6 lb.; not guaranteed absolutely pure.
 Ess. Limonis (oil) original coppers, 12 lbs. @ 4/9 lb.; 6 1-lb. bots. @ 5/3 lb.; not guaranteed absolutely pure.
 *Ess. Moschi (not artificial), 5 lbs. @ 10/3 lb.; 1 lb. @ 11/3 lb.
 *Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/- lb.; Bergamot, 2/6 lb.
 *Ess. Pineapple, 5 lbs. @ 3/4 lb.
 "Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb.
 "Vanilla Beans, 5 lb. @ 4/4 lb.; 1 lb. @ 4/7 lb.
 *Ext. Belladonnae Liq., B.P., 5 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.; solid, 7 lbs. @ 4/7 lb.
 Ext. Cannab. Ind. Alc., B.P., 1 lb. @ 45/- lb.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0 1/2 lb.; 10 lbs. @ 1/2 lb.
 *Ext. Ergot. Liq. P.B., 5 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.; Solid, P.B., 4 lbs. @ 27/6 lb.; 1 lb. @ 28/6 lb.
 Ext. Filicis Liq., P.B., 9 lbs. @ 8/9 lb.; 1 lb. @ 9/- lb.
 Ext. Gent., P.B., solid, 1 cwt. @ 1/- lb.; 7 lbs. @ 1/2 lb.
 *Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7 1/2 lb.
 *Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.
 *Ext. Ipecac. Liq., P.B., 5 lbs. @ 14/- lb.; 1 lb. @ 15/- lb.
 Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5 1/2 lb.
 *Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.; 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.
 Ext. Opii Solid, P.B., 1 lb. @ 50/- lb.
 *Ext. Opii Liq., P.B., 5 lbs. @ 4/8 lb.; 1 lb. @ 5/- lb.
 Ext. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
 Ext. Sarsae Co. Solid, 7 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.
 F rri Ammon. Cit., P.B., 28 lbs. @ 2/8 lb.; 7 lbs. @ 2/10 lb.
 Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
 Ferri et Quininae Cit. P.B., 100 ozs. @ 6 1/2 d. oz.; 25 ozs. @ 7 1/2 d. oz.
 Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 3d. lb.
 Ferrum Redact., 80%, 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.
 Flor. Anth. Exot., 7 lbs. @ 1/8 lb.
 Fol. Buchu, oval, good green, 7 lbs. @ 2/8 lb.
 Fol. Hyoscyam. Bien., 7 lbs. @ 5/- lb.; pulv., 4/6 lb.
 Fol. Sennae Alex. parv., 28 lbs. @ 6d. lb.

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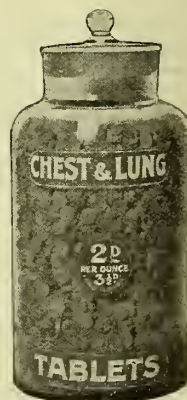
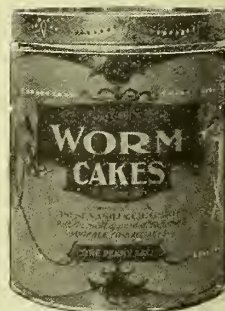
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Students who anticipate entering this College should secure their benches in advance to prevent disappointment.

PASS LISTS FOR 1914.

January 23, April 22, July 40, October 11. Total 96. (For names see advt. in "Chemist and Druggist.")



Souvenir of the Students' Visit to Messrs. Parke, Davis & Co.'s Laboratories, October 22, 1914.

AFTERNOON AND EVENING CLASSES FOR THE MINOR AND APOTHECARIES' HALL.

These Classes are held every Wednesday and Thursday as follows: Afternoon, 2 till 5; Evening, 6 till 9.

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RESULTS—average 80 % during 7 years.

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(These classes, suitable for those who desire to prepare for the Minor whilst still retaining their situations, are invaluable as a preliminary to a full-time course.)

Intending Students should secure benches at once.

Write for particulars to the Principal, 18 Colquitt Street.

**FOR THE BENEFIT
OF EVERY CHEMIST**

who did not read the notice in the "C. & D." last week we reproduce it here together with a picture of this unique window attraction.

A PATRIOTIC ADVERTISING CLOCK.—Regal Service, 229 West Green Road, London, N., have materialised a novel idea for the display of goods in shops. As working models are not readily obtainable at present, Regal Service have had a clock placed in the centre of a patriotic design. The clock rests on a lion, on the top of which stands Britannia, and at either side are a marine and a soldier, with Dreadnoughts in the background. "British Goods Defy the World" is the legend upon the design, and eight spaces in the margin are for trade advertisements. The whole is placed in a suitable frame, and is certainly an attractive and striking object. In London this patriotic advertising clock is being lent free to chemists and others who agree to place it in a prominent position in their windows for a period of thirteen weeks. It has not been possible to make the same arrangement for the Provinces, therefore Regal Service are supplying the patriotic clocks to provincial chemists at 10s. 6d. each, the advertising spaces being left blank so that each chemist may use what advertising material he chooses in the spaces. The profits obtained from the advertisements of popular lines like Bovril, Glaxo, &c. which appear on the clocks which are being distributed to chemists in the London area, are to go to the Prince of Wales' Relief Fund, and half of the profits obtained from the provincial service will also go to the Fund.

**The Greatest
Window Attraction**

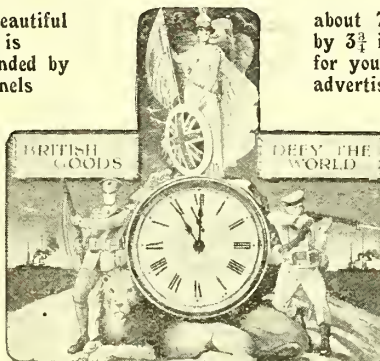
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This beautiful
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six panels

about 7 inches
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advertisements.

A real Clock,
wound up from behind.



Complete in case
with oak frame.

Size 23 inches wide, 18 inches high.

A live window attraction that will draw the public to your window and **sell your goods**. Will do more to help your business than anything you have ever used. We will supply provincial Chemists at the low price of 10/6 carriage paid and give **half the profits** on these sales to.

The Prince of Wales' Fund.

The supply is limited. If you want one send
now, before it is too late.

Cross P.O.'s and Cheques "London & Provincial Bank."

Special to London Chemists.

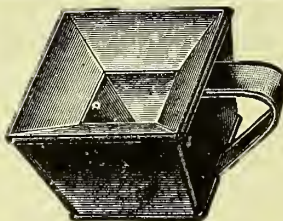
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Minimum Retail. Per doz. net.			Minimum Retail. Per doz. net.			Minimum Retail. Per doz. net.		
1/2 oz. (7 1/2 size)	6/-	5/3	1/2 oz. (7 1/2 size)	2/6	2/4	16 oz. (11 1/2 size)	10/-	8/-
1 oz. (1 1/4 size)	1/-	10/-	6 oz. (4 1/2 size)	4/-	38/6	36 oz. (22 1/2 size)	18/6	14/10

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CHEAP BOTTLES for Dispensing.
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To give you a fair start, we offer a Sample Cabinet complete, and a supply of strong selling literature at the following cut prices, Cash with Order.

With Inside Spirit Heater 23/4 ; Retailing at 35/-
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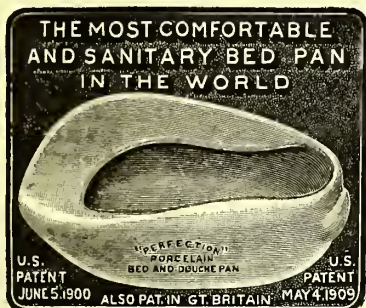
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Finest White Semi-Porcelain. Guaranteed Impervious

Hospitals and Retailers Can Obtain these Goods from their Regular Wholesale Medical Supply House or Druggist Sundriesman. If you have any difficulty in obtaining them write direct to the Manufacturers

"Perfection" Bed and Douche Pan



British Patents No. 9589-1900 & No. 5311-1909

Anatomically
Correct
Fits the Body

No Pressure
on the
end
of the Spine

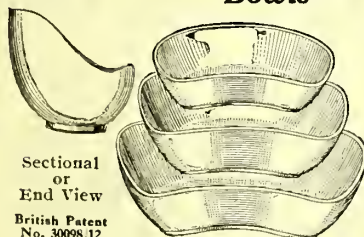
Prevents
Bed-Sores

No Unsanitary Spout or Corners
Easy to Empty and Clean
A Douche Pan as well as a Bed Pan

No. 1—Large Size for Adults
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Used in Over 500 Hospitals in Gt. Britain and Colonies,
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"Perfection" Dressing or Bleeding Bowls



Improved Pus
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Basins

Back Wall
Twice as High
as Front Wall

Three Sizes—10 inch; 8 inch; and 6 inch

The high back gives these Basins a larger capacity and allows them to be carried more easily. It also prevents the vomits, if projectile, from soiling the Nurse or Surgeon. This feature makes the "Perfection" Bleeding Bowls very useful in the Operating Room, while the patient is on the Operating Table, and also in the Ward when the patient is recovering from the Anæsthesia.

The "Perfection" Dressing Basins are especially suitable for Ear and Eye work.

"Perfection" Male Urinal

British Patent No. 20507/06

The Correct Shape

Stands Firmly on End When
Not in Use so that Contents
Will Not Spill

The Wide Base Gives Almost
Double the Capacity of the
Bottle or Duck-Shaped Urinals

Can be Used in Conjunction
with the "Perfection"
Bed Pan



Fig. 1—Position When Not in Use

The "Perfection" is more practical than the old-style Urinals and is easier to use as it rests comfortably between the thighs and does not require to be held in position. This feature makes it useful in cases of involuntary urinations.

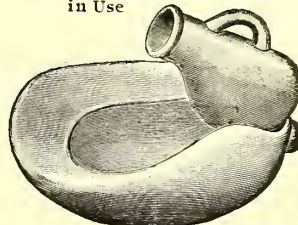


Fig. 2—Shows Urinal in Conjunction with "Perfection" Bed Pan

"Handy" Female Urinal and Child's Bed Pan

The Only
Practical
Female Urinal
Made

Useful as a
Bed Pan
for Children



Suitable for Adults and Special Fracture Cases
Where a Low, Small Size Pan is Required

Weight Only 2½ lbs. Capacity, 30 oz.
Length, 12 in. Height at Front 1 in.; at back 3 in.

The "Handy" is comfortable because the front end is slightly curved to take away pressure from the Spine. It is sanitary because it is easy to empty and clean. It lies firmly on the Bed without danger of tilting or wetting the Bed Linen.

Manufactured Under the Patents of Meinecke & Co. of New York by

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CARBOLIZED TOW,
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"IMPERMIETTE" (Waterproof).
"IMPERMIETTE" BED SHEETING.
"HEALTH" CHEST PROTECTORS.
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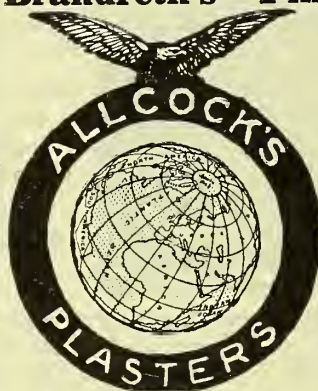
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Waterdressing, Fastedge, Calico, and Flannel Bandages, Elastic Web,
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THE LEICESTER "VARICO" LEG BANDAGE.

TRADE MARK.



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[See p. 569, "C. & D." Diary 1914.]

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Manufacturers of every description of **INDIA RUBBER**, Wholesale & Export only.
WM. WARNE & CO., Ltd., 29 Gresham Street, LONDON, E.C.



BEATSON, CLARK & CO., LTD.

ESTABLISHED 1751.

HIGH-CLASS DISPENSING BOTTLES, MEDICAL GLASS MANUFACTURERS,
VIALS, POISONS, &c. GRAD. MEASURES, ROTHERHAM, YORKS.
RECESS AND GOLD-LABELLED SHOP ROUNDS.

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7 India Street, Crutched Friars, London, E.C.

supply **GLASS BOTTLES, JARS, and TUBES**

of every description; plain, cut, and stoppered

Direct from the Works.

FOR CHEMISTS & PERFUMERS :: WHOLESALE & EXPORT.

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Chemists should write us for PRICE LIST and full particulars of all Photo requisites.

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See our advt. on pages 580 & 581, the "C. & D." Diary, 1914.

BRILLIANT PLATE.

"ALBATUM OR WHITE ROUGE"

GIVES A UNIQUE POLISH TO ALL SILVER AND ELECTROPLATED GOODS.

In 6d. and 1/- Boxes, and Tins, 2/-

BRADLEY AND BOURDAS,

6 PONT STREET, S.W.

Cinol

TINS
2^D.

the new preparation,
containing no poison,
for killing nits in children's hair, is now being
extensively advertised and
may be obtained through
any of the usual wholesale
houses, or direct from the
proprietor:

THOMAS KEATING, LONDON.

Ambulance Outfits

POCKET SETS, suitable for Boy Scouts, Cyclists, Motorists, etc., packed in neatly enamelled tin Boxes to retail at 1/- and 1/6 each.

JAPANNED TIN BOXES, suitable for Factories, Coal Mines, Emigrants, etc., to retail at 10/6 and upwards.

STRETCHERS at keenest prices.

HALL FORSTER & CO., Ltd.,
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PUT UP FOR EXPORT.

Small Size, 3 oz. bottle, in case.
Medium " 7 " " "
Large " 16 " " "

OBTAINABLE IN LONDON FROM
Thos. Christy & Co., 4-12 Old Swan Lane,
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E.C.

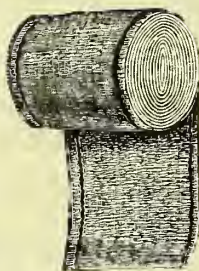
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CRÊPE BANDAGES. BRITISH MAKE.

**LIGHT AND
COMFORTABLE
TO WEAR.**



**ELASTIC,
BUT CONTAINS
NO RUBBER.**

No 1331.—The "**Saffron**" Crepe Bandages: fast edges, 5½ yards long when

stretched out—		Width	2 in.	2½ in.	3 in.	3½ in.	4 in.
Medium substance for ordinary wear	... ..	per doz.	6/3	7/3	8/3	9/3	10/3
Stout " for hard "	... ..	"	8/-	9/6	11/3	13/-	14/6

Full directions for use with each Bandage.

Cotton Elastic Web Bandage ... per doz. yards, 2 in., **3, 6**; 2½ in., **4/6**; 3 in., **5/6**.
Leg Bandage, 3 yards long, fitted with tapes, ready for use, each **1/6**.

The "Empire" Elastic Hosiery.

			Stockings.	Knee Caps.	Anklets.	Leggings.
Cotton Elastic, ordinary quality, for hard wear,	sizes 1 to 8	... per pair	3/6	2/9	2/9	3/-
" "	" " 1 to 8	... per doz. pairs	39/-	30/-	30/-	33/-

5% discount allowed for prompt cash off above prices.

Carriage paid on orders of **£2** and upwards.

We are the right House for Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE.

OUR GOODS ARE RIGHT.

MONEY BACK IF NOT SATISFIED.

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
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

RENDELL'S

SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

**Registered
Trade Mark, 
without which
none are genuine.
No. 182,688.**

W. J. Rendell
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No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,

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THE SACCHARIN CORPORATION, LTD.

SOLE MANUFACTURERS AND PATENTEES OF SACCHARIN
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SACCHARIN

in all strengths, qualities and packages, and for Export to ALL BRITISH
COLONIES and ALL OVERSEA COUNTRIES (except U.S.A.).

Sole Export Agents: R. W. GREEFF & CO., Thames House, Queen St. Place, LONDON, E.C.

DIAMALT.

Malt Preparation of Highest Dia-
static strength.

DIAMALT & PARAFFIN.

DIAMALT & COD LIVER OIL.

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DRY DIAMALT,

A Crystallised Extract of Malt.

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HARMLESS SUBSTITUTE FOR MORPHIA.

NERVE TONIC AND ANODYNE.

Specially recommended in Inoperable Cancer,
Gall-stone, Sciatica, Neuralgia.

In Ampuls (1cc.) for Hypodermic Injections.
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NOVOCAIN.

The Non-Irritant Local Anæsthetic.

GOLD MEDAL

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NOVOCAIN does not contain Cocaine.

Supplied to HIS MAJESTY'S WAR
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TULLOCH'S ALLOYS.

GOLD ALLOY.

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COPPER AMALGAM.

Alloy Measuring Spoon and Mercury
Measure.

Manufactured under scientific supervision
from published formulæ exclusively for

THE SACCHARIN CORPORATION, LTD.,
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THE FRENCH NATURAL MINERAL
— WATER. —
VICHY-CÉLESTINS

DISORDERS of the **LIVER, GOUT,**
Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the **SOLE AGENTS:** INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

WE TENDER THANKS TO
PHARMACEUTICAL PATRIOTS
— FOR THEIR ORDERS FOR —
CHELTENHAM
NATURAL APERIENT WATER.

The increased demand is taxing bottling resources to the utmost, but additional plant is being installed and every effort being made to execute orders fully.

We still offer the 1/- bottles at 9/- per doz. carr. paid, but orders must be executed in strict rotation.

The CHELTENHAM NATURAL WATER Co.
(Branch of United Chemists Association, Ltd.), **CHELTENHAM.**

RECOMMEND to your customers **THE BRITISH** **APERIENT MINERAL WATER** **"AQUAPERIA"**



Prepared and bottled by CAMWAL, Ltd.,
at their Spring at **HARROGATE**
(supplied also through any other Camwal Factory).

**"Aquaperia" is an excellent and efficient
Aperient Water to replace Foreign Mineral
Waters of similar character.**

WHOLESALE PRICE :

6/- per dozen in large 32-35 oz. handsomely got-up bottles.
Carriage paid to any part of England. Bottles in-
cluded and allowed for at 9d. per dozen if returned.
Cases charged and allowed for on return. Discount for quantities.

Minimum Retail Price, P.A.T.A., 10½d. per Bottle.

Chemists should impress upon their Customers
that not only is this Water purer and better
than any German or other Foreign brand, but
that in using "AQUAPERIA" they are
keeping money in this Country, are assisting a
Home Industry, and giving employment to
Britishers—a true form of Patriotism.

CAMWAL, LTD., also supply

"FONTALIS"

(A BRITISH TABLE WATER) in Apollinaris-shaped bottles, at
2/3 per dozen splits. **2/9** per dozen large.

Carriage paid, bottles included—allowed for at **6d.** per dozen if returned.

CAMWAL LIMITED.

Head Office :
112 Pembroke Street,
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HARROGATE, MANCHESTER, BIRMINGHAM, BRISTOL & MITCHAM.

May, Roberts' Traveller.

No. 4023 CITY.

NOVEMBER 28, 1914.

LONDON & DUBLIN.

IN view of the large number of alterations in prices, etc., occasioned by the War, we are publishing early in December

A Special **SUPPLEMENTARY** **LIST**

giving full particulars of all such alterations, together with details of new goods, and also of lines occurring in our General List which we are unable to obtain at present.

MAY, ROBERTS & CO., LTD. 7, 9 & 11 Clerkenwell Road,
LONDON, E.C.

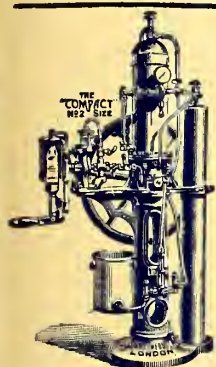
AND AT 16 WESTMORELAND STREET, DUBLIN.

BARNETT & FOSTER

11
GOLD MEDALS.

*The Best House in the World for all
requirements of the Mineral Water Trade.*

49
HIGHEST AWARDS.



THE "COMPACT" complete Soda-water Machine

For use with Compressed Carbonic Acid Gas is specially designed
FOR CHEMISTS, and is provided with one or more filling machines.

Occupies little space. Ready for immediate use. Requires no fixing.

Produces Soda-water, Lemonade, etc., of the highest quality and greatest purity.

PRICES—

No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles and Syphons ... £60

No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles and Syphons ... £48

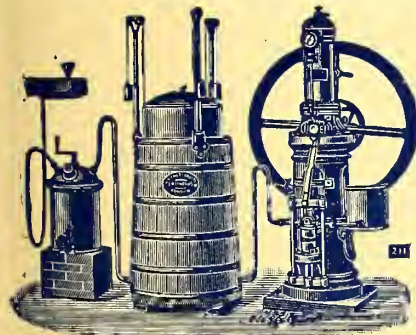
No. 3.—Capacity 300 dozen per day, including Filling Machines for Bottles and Syphons ... £33

We also make a smaller machine at £20.

THE PERFECTION OF SIMPLICITY.

AUTOMATIC CARBONATION.

To those who can spare space in which to generate their own gas, we offer the
"Niagara" machines advertised below.



THE

"NIAGARA" Soda-water Machine (Continuous Action).

This machine is superseding all other types for the
manufacture of FIRST-CLASS Aerated Waters, and is
in use in most of the leading manufactories through-
out the world

PRICES, COMPLETE, from £30,

FITTED FOR HAND AND POWER

Particulars of Larger Sizes on application.

NOTE.—These machines are sent out by us complete and ready for work.
We include all necessary connecting pipes **without extra charge.**
No "extras" to pay for after buying our machines.

STUDY QUALITY—AS CHEMISTS MUST—

By Bottling on our Latest Types of
Filling Machines. We Guarantee the

Highest Quality Soda-water at 60-lb. Pressure!

thereby Saving Gas, avoiding Bottle-
breakage and improving quality
of Products. —The secret:

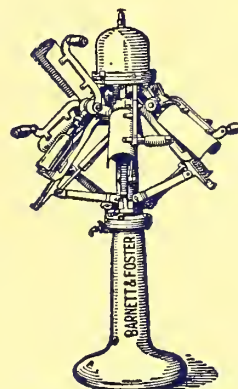
BACK PRESSURE—PROPERLY APPLIED.

Particulars of the "GAS-SAVER," for
filling Codd's and Niagara Bottles;
The "ROUNABOUT," for filling
Corked, Crowned and Screw Bottles
sent on application.

SAVE MONEY.



THE "GAS-SAVER,"
Price £60



THE "ROUNABOUT,"
in 6 sizes, prices from £25

CATALOGUE of all our Manufactures, including Syphon-filling Machines, Syphons, all classes of Bottles, Modern Bottle-washing
Appliances, Ice and Refrigerating Plant, Essences, Flavours and Drugs, and every requirement of the trade sent FREE on
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NIAGARA WORKS, 26^T EAGLE WHARF ROAD, LONDON, N.,
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A GENUINE HENNA SHAMPOO

PRICE

12/-

per Gross.

Name
and
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free.



3 GROSS

10/6

per Gross.

Name
and
Address
free.

In Boxes of 7 at **7/-** per Dozen.

THESE SHAMPOOS ARE ALL THE RAGE!

SEND A POSTCARD FOR A FREE SAMPLE
TO SHOW YOU THE SUPERB GET-UP.

EXQUISITE SHOWCARD IN COLOURS FREE.

THE SALES WILL SURPRISE YOU.

The Standard Tablet & Pill Co
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